

FOURIER ANALYZER SYSTEMS

5450A/5452A

SERIAL PREFIXES

This manual applies directly to the following:

1. HP Model 5460A Display plug-ins having serial prefix 1036-.
2. HP Model 5465A Analog-to-Digital Converter plug-ins having serial prefix 980-.
3. HP Model 5475A Control Unit having serial prefix 1048- (options 001 and 002 plus the static interface card).

SPECIAL INSTRUMENTS AND SERIAL PREFIXES NOT LISTED

The information required to relate this manual to special modifications or to newer instruments is supplied on special insert sheets. For older instruments refer to the change data in each section.

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SECTION I GENERAL INFORMATION

1.1 INTRODUCTION

This manual provides additional wiring, schematics, component locators and parts list for the HP5460A Display plug-in, HP5465A Analog-to-Digital Converter (ADC) plug-in and the HP5475A Control Unit. In addition, a brief explanation of the integrated circuits used in all three units is contained in this section.

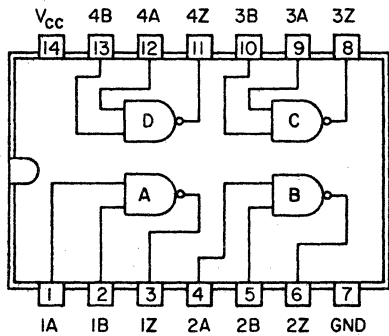
The static interface card used with the Control Unit (option 002) of the 5452A Fourier Analyzer System is contained in the Control Unit section. Change data for each unit is contained in the section covering that unit. The parts list for all units are contained in Section V. Additional information on the computer, teleprinter, etc. is provided in separate manuals.

1.2 INTEGRATED CIRCUIT (IC) OPERATION

Ordinary NAND, NOR, and inverter packages will not be described in this section. Figures 1-1A through 1-1K show the common gate packages used in the Fourier Analyzer Systems. All IC packages shown are viewed from the top.

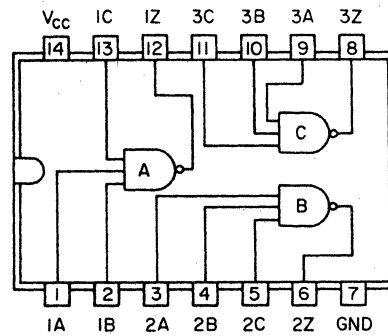
The D flip/flop is shown in Figure 1-1F. The Q output will assume the same state as the D input at the positive transition of the C (clock) input. The $\bar{Q}$ output is always opposite in level to the Q output. If the R input is LOW, the Q output will go LOW regardless of the D and C inputs. If the S input is LOW, the Q output will go HIGH regardless of the D and C inputs.

Figure 1-1. Integrated Circuits



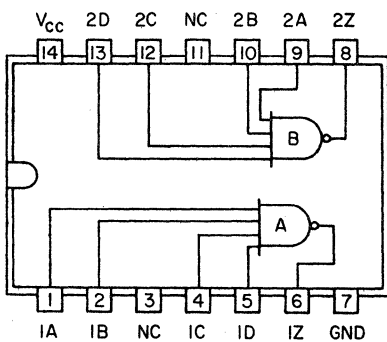
1820-0054(SN7400N)
QUADRUPLE 2-INPUT POSITIVE NAND GATE
NOTE: POSITIVE LOGIC $Y = \overline{AB}$

A



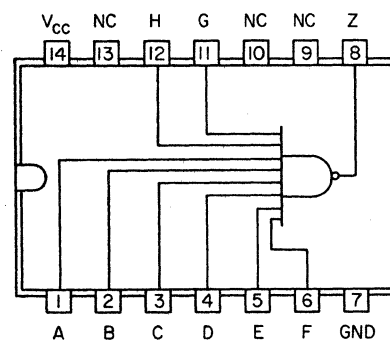
1820-0068(SN7410N)
TRIPLE 3-INPUT POSITIVE NAND GATE
POSITIVE LOGIC: $Y = \overline{ABC}$

B



1820-0069(SN7420N)
DUAL 4-INPUT POSITIVE NAND GATE
POSITIVE LOGIC: $Y = \overline{ABCD}$

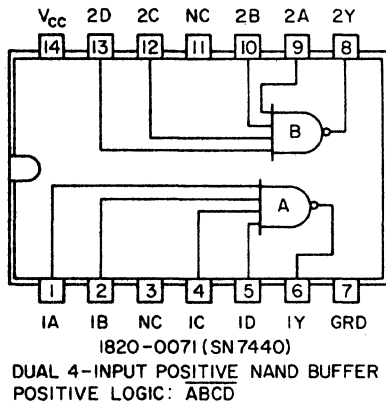
C



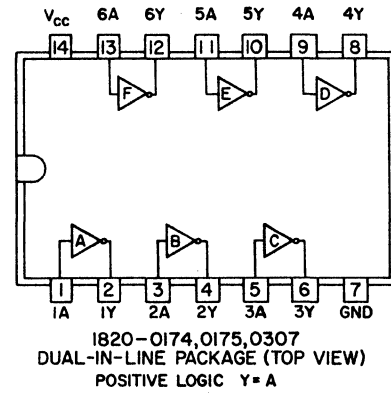
1820-0070(SN7430N)
8-INPUT POSITIVE NAND GATE
NOTE: POSITIVE LOGIC $Y = \overline{ABCDEFGH}$

D

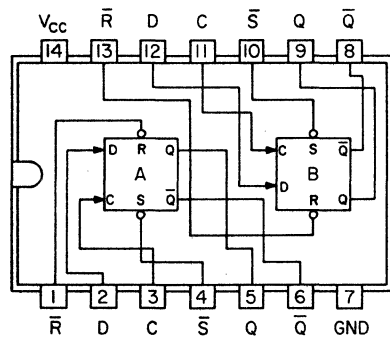
Figure 1-1. Integrated Circuits (Cont'd)



E



F

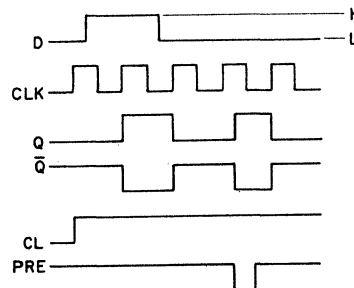


TRUTH TABLE
(EACH FLIP-FLOP)

t_n	t_{n+1}	
INPUT D	OUTPUT Q	OUTPUT Q-bar
0	0	1
1	1	0

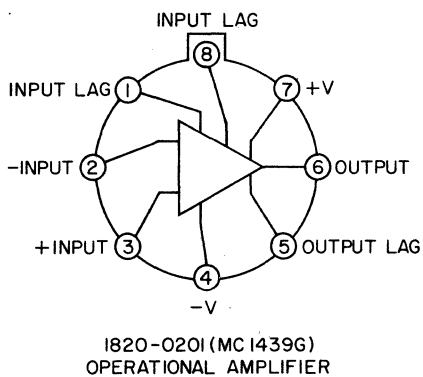
NOTES

- t_n = BIT TIME BEFORE CLOCK PULSE
- t_{n+1} = BIT TIME AFTER CLOCK PULSE
- POSITIVE LOGIC:
 - LOW INPUT TO CLEAR SETS Q TO LOGICAL 0
 - LOW INPUT TO PRESET SETS Q TO LOGICAL 1
 - CLEAR OR PRESET INPUTS DOMINATE REGARDLESS OF CLOCK AND D INPUTS

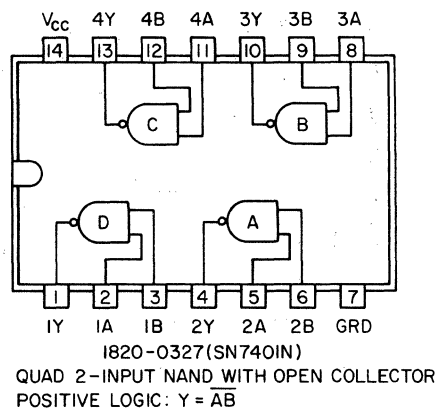


G

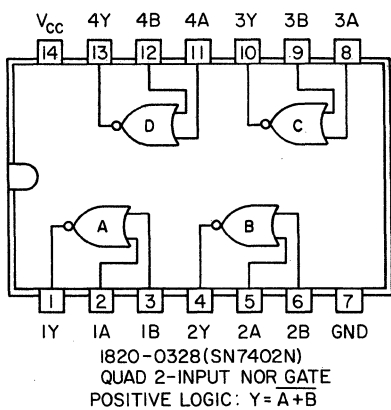
Figure 1-1. Integrated Circuits (Cont'd)



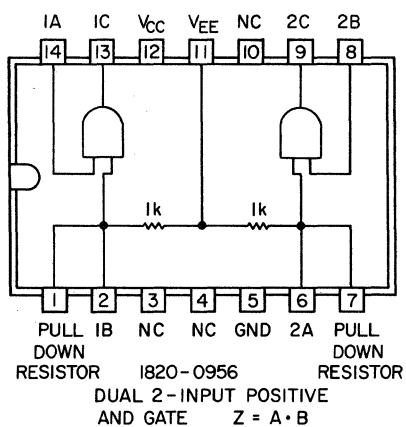
H



I



J



K

SECTION II

HP5460A DISPLAY PLUG-IN

2.1 INTRODUCTION

This section contains schematics, component locators, wiring, and change data for the HP5460A Display plug-in. For theory of operation, maintenance and troubleshooting procedures, refer to the System Service Manual.

2.2 CHANGE DATA

This change data provides back dating information to adapt this section to older 5460A Display plug-ins.

2.2.1 Current Instruments

This section applies directly to Model 5465A plug-ins having serial prefix 1036-.

2.2.2 Older Instruments

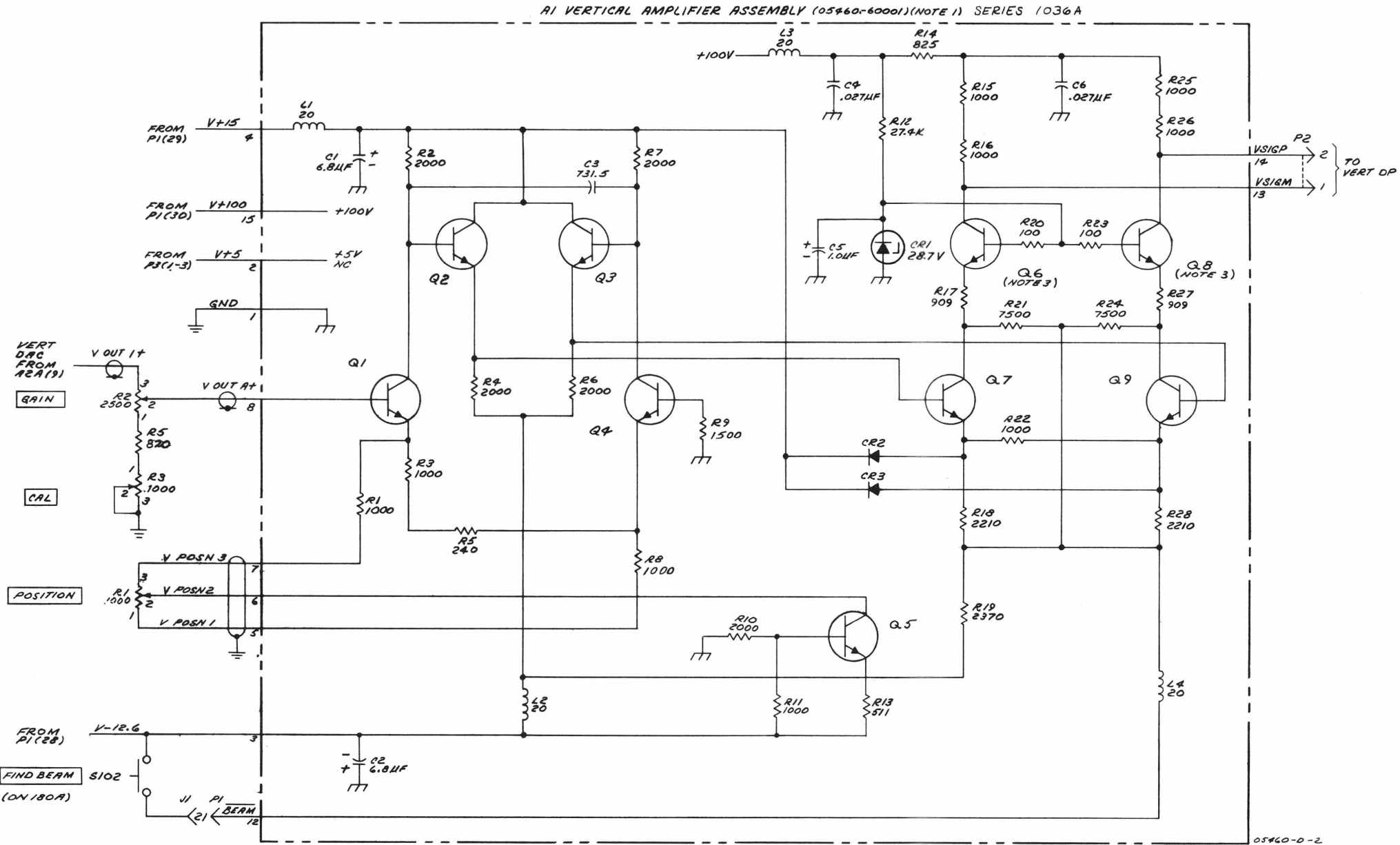
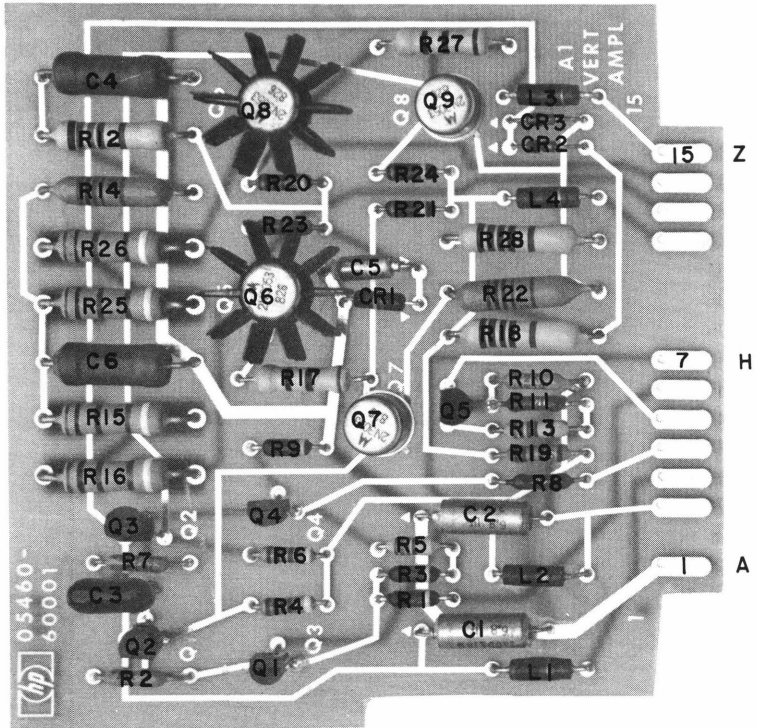
Back dating information to make this section applicable to older 5460A Display plug-ins is contained in Table 2-1.

2.2.3 Older Plug-Ins

Back dating information to make this manual apply to older 5460A plug-ins is contained in Table 2-1.

Table 2-1. 5460A Change Data

SERIAL PREFIX NO.	MAKE MANUAL CHANGES			
944	1			
CHANGE 1: New A7 board to increase plot rate capability. Increase vertical gain.				
DELETE: A7 board (05460-60020)				
ADD: A7 board (05460-6007)				
Note				
Difference between old (05431-6007) and new (05460-60020) is as follows:				
C7	6.8 μ f	0180-0116	1.0 μ f	0180-0291
R14	2.4K Ω	0757-0933	510 Ω	0757-0917
R13	5.6K Ω	0757-0942	1K Ω	0757-0924
On A1 board (05460-60001) series number is changed from 1036 to 928.				
ADD:	R1,8	RF 1.33K	0757-0317	2 ea.
DELETE:	R1,8	RF 1K	0757-0280	2 ea.
On 5460A parts list				
ADD:	R5	RF 1.2K	0757-0926	1 ea.
	R3	RV 500 Ω	2100-2290	1 ea.
DELETE:	R5	RF 820 Ω	0757-0922	1 ea.
	R3	RV 1K	2100-2661	1 ea.



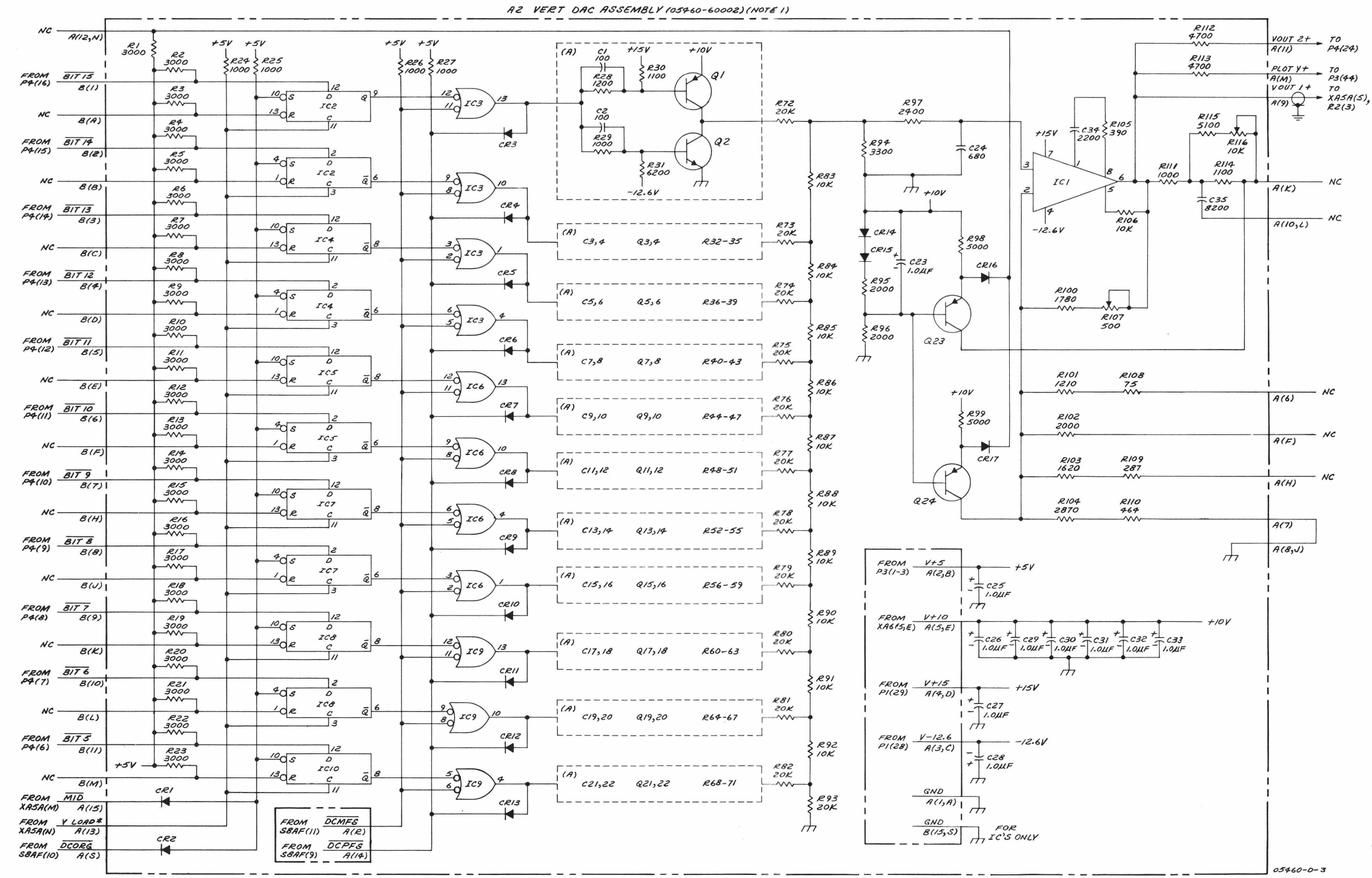
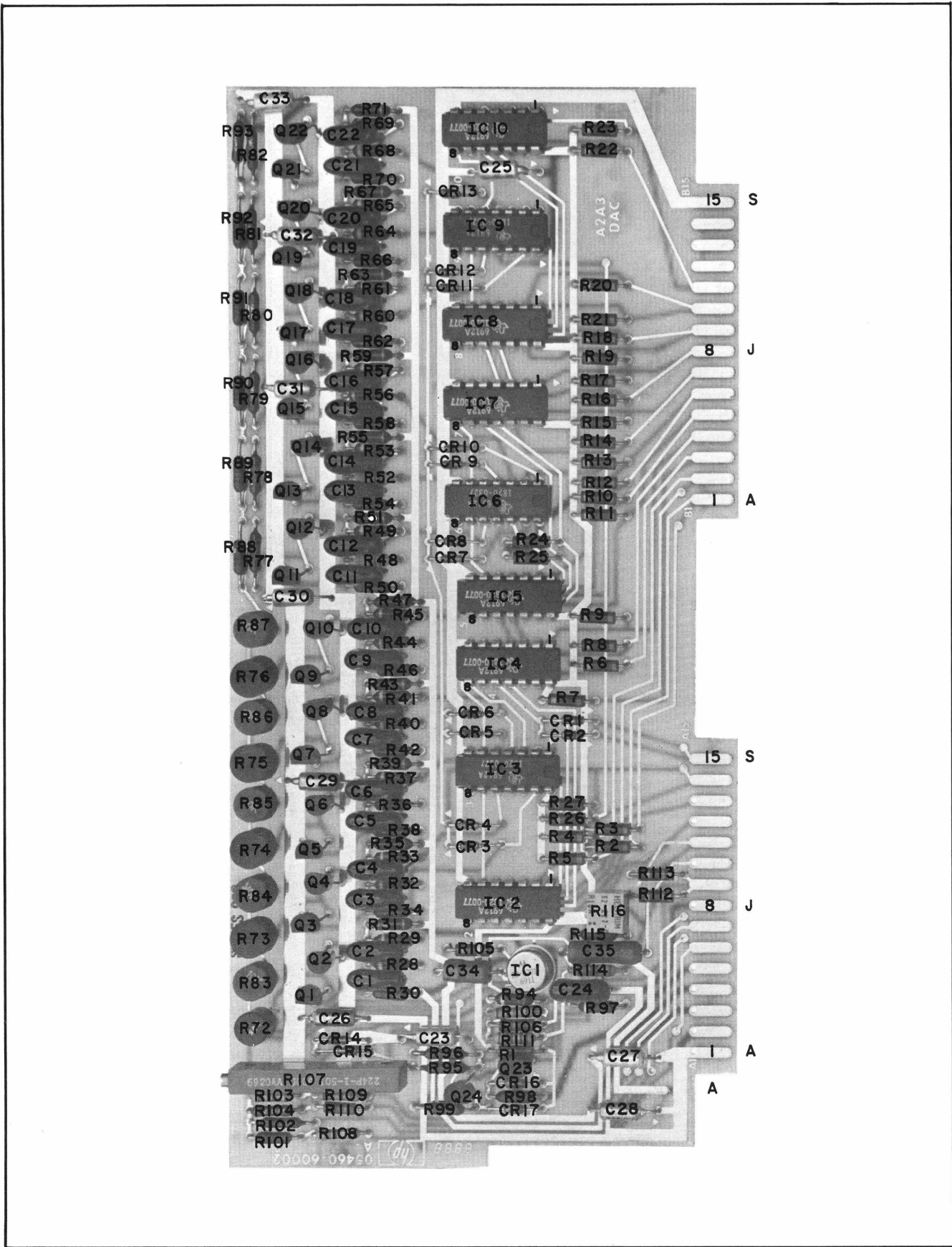
NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED: RESISTANCE IN OHMS; CAPACITANCE IN PICOFARADS; INDUCTANCE IN MICROHENRIES
3. Q6 AND Q8 USE HEAT SINK 1205-0033

REFERENCE DESIGNATIONS		
NO PREFIX	A1	18A
J1	C1-6 CR1-3	
P1,2	L1-4	
R1-3,5	Q1-9 R1-28	S102

TABLE	
REFERENCE DESIGNATIONS	H-P PART NO.
CR1	1902-3279
CR2,3	1901-0040
Q6-9	1854-0039 2N3053
Q2,3,5	1854-0071
Q1,4	1854-0215 2N3904

Figure 2-1
5460A A1 VERTICAL AMPLIFIER ASSY.
2-3



- NOTES
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;

TABLE	
REFERENCE DESIGNATIONS	H-P PART NO.
CR1-17	1901-0040
IC2,4,5,7,8,10	1820-0077
IC1	1820-0201
IC3,6,9	1820-0327
Q1,3,5,7,9,11, 13,15,17,19,21	1853-0088
Q2,4,6,8,10,12, 14,16,18,20,22	1854-0326

REFERENCE DESIGNATIONS	
A2	
CR1-35	
CR1-17	
IC1-10	
Q1-24	
R1-116	

Figure 2-2
5460A A2 VERTICAL DAC ASSY.
2-5

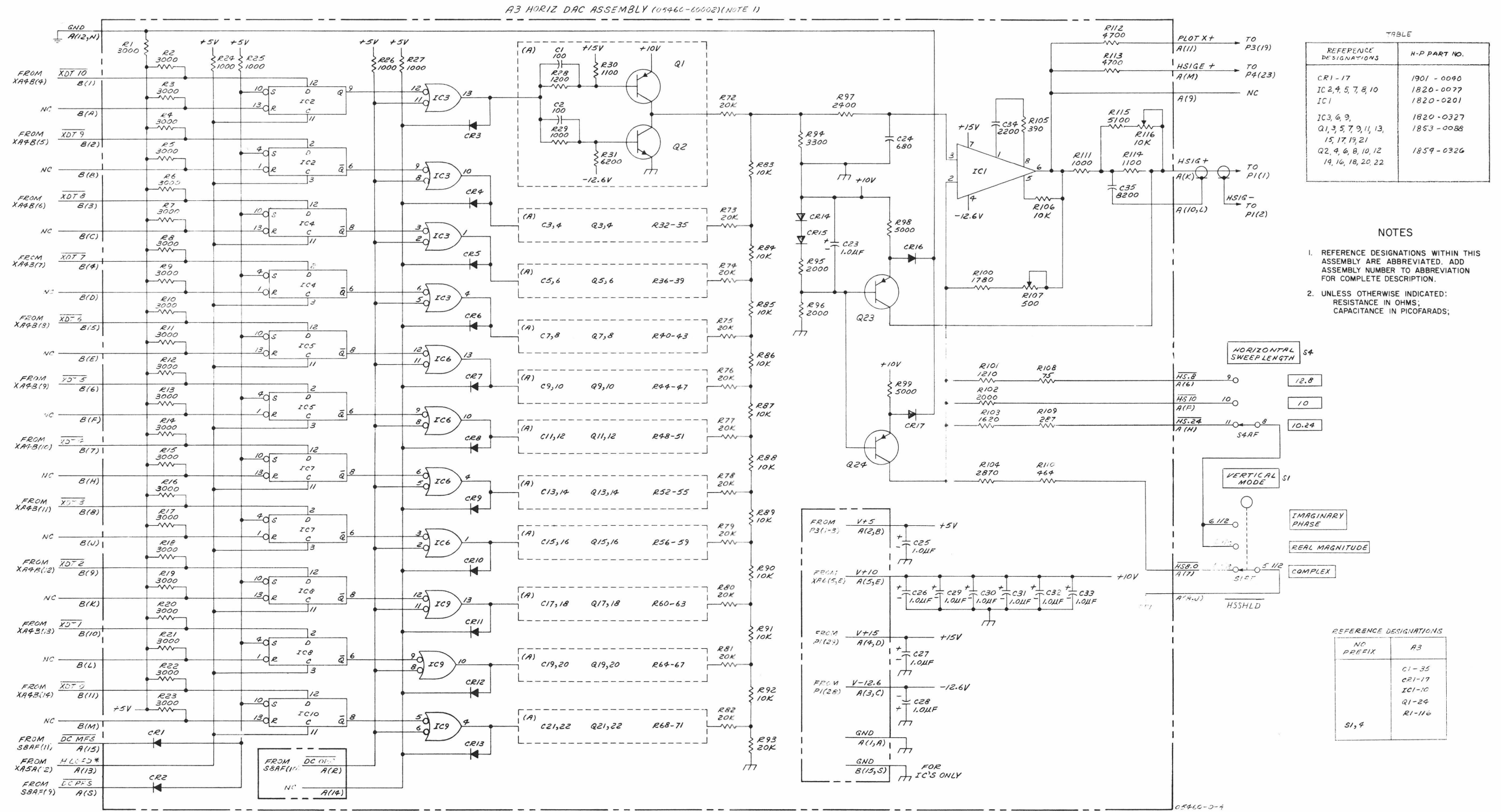
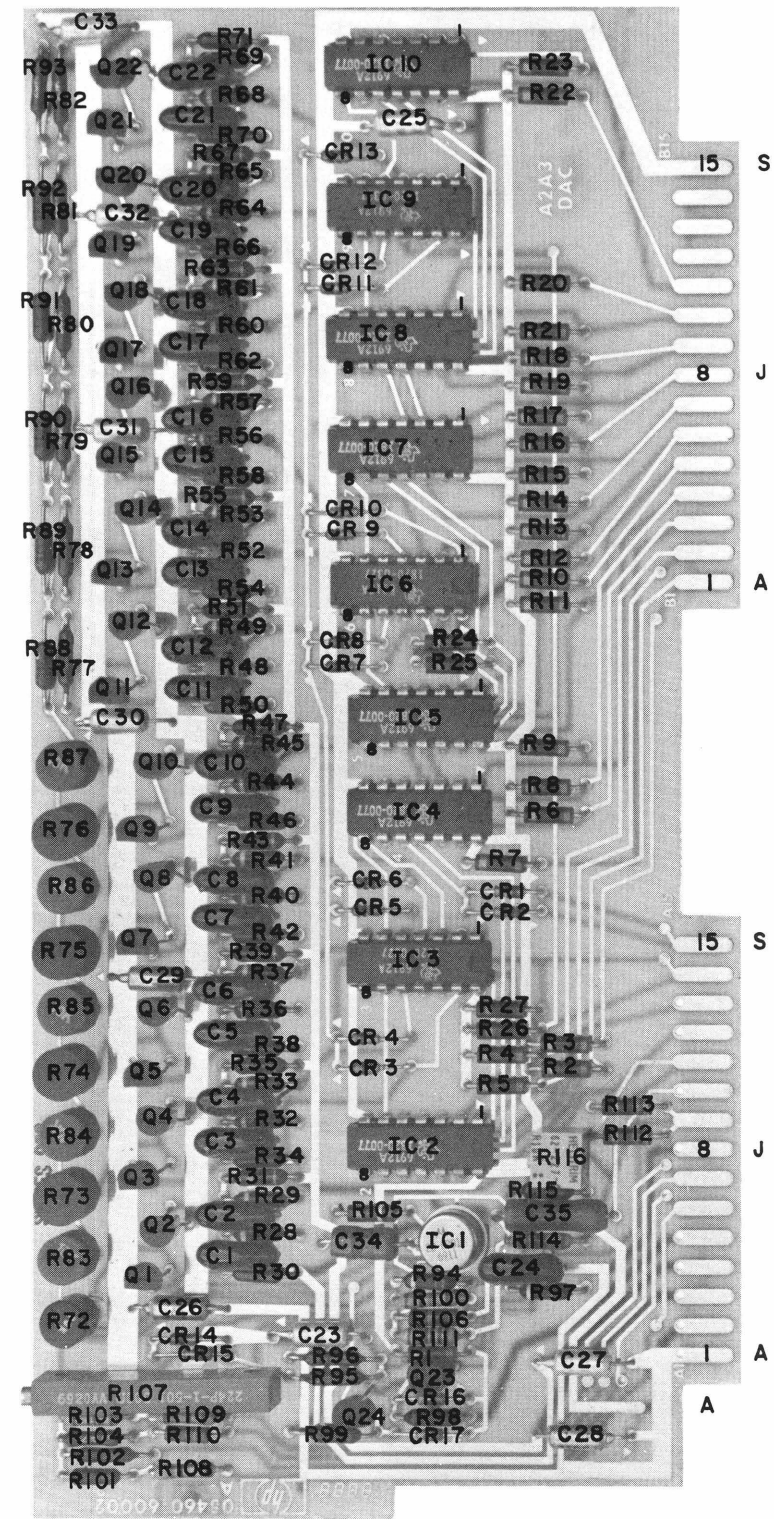


Figure 2-3
5460A A3 HORIZONTAL DAC ASSY.

NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED: RESISTANCE IN OHMS; CAPACITANCE IN PICOFARADS;

TABLE

REFERENCE DESIGNATIONS	H-P PART NO.
CR1,2,9,10	1901-0040
CR3,4	1901-0044
CR8	1901-0179
CR7	1902-0025
CR6,11,13	1902-0041
CR14	1902-3002
CR5	1902-3234
CR12	1912-0002
IC1	1820-0054
Q37	1850-0099
Q39,40	2N964
	1853-0015
Q35,36	2N3640
Q32	1853-0020
Q34,7,10,13,15	1853-0034
18,19,22,23,27,30	1853-0036
Q33,34	2N3906
Q38	1854-0071
	1854-0094
Q2,6,9,12,14,16	2N3646
20,21,25,26,29	1854-0215
Q1,5,8,11,17,24	2N3909
Q28	1855-0020
Q31	1855-0049
	1855-0051

REFERENCE DESIGNATIONS

A2
C1-33
CR1-14
IC1
Q1-40
R1-91

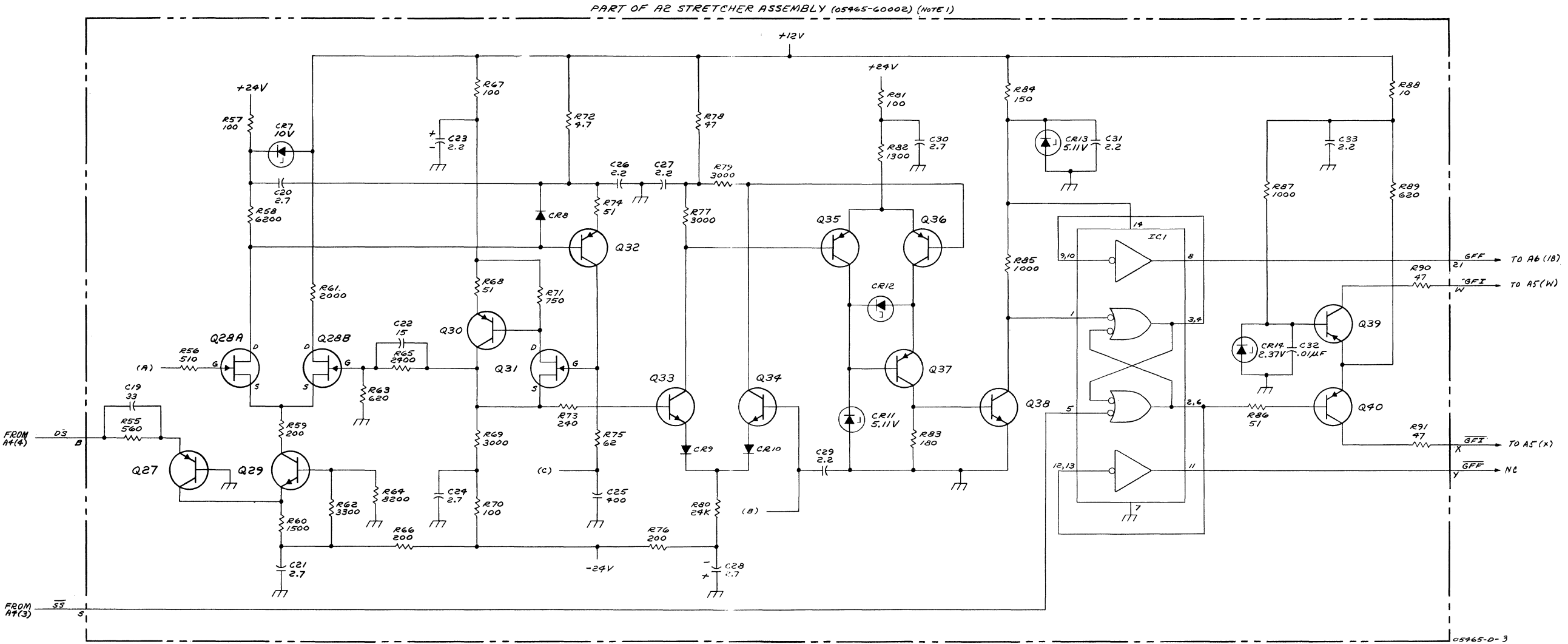


Figure 3-2
5465A A2 STRETCHER ASSY.
(Sheet 2 of 2)
3-7

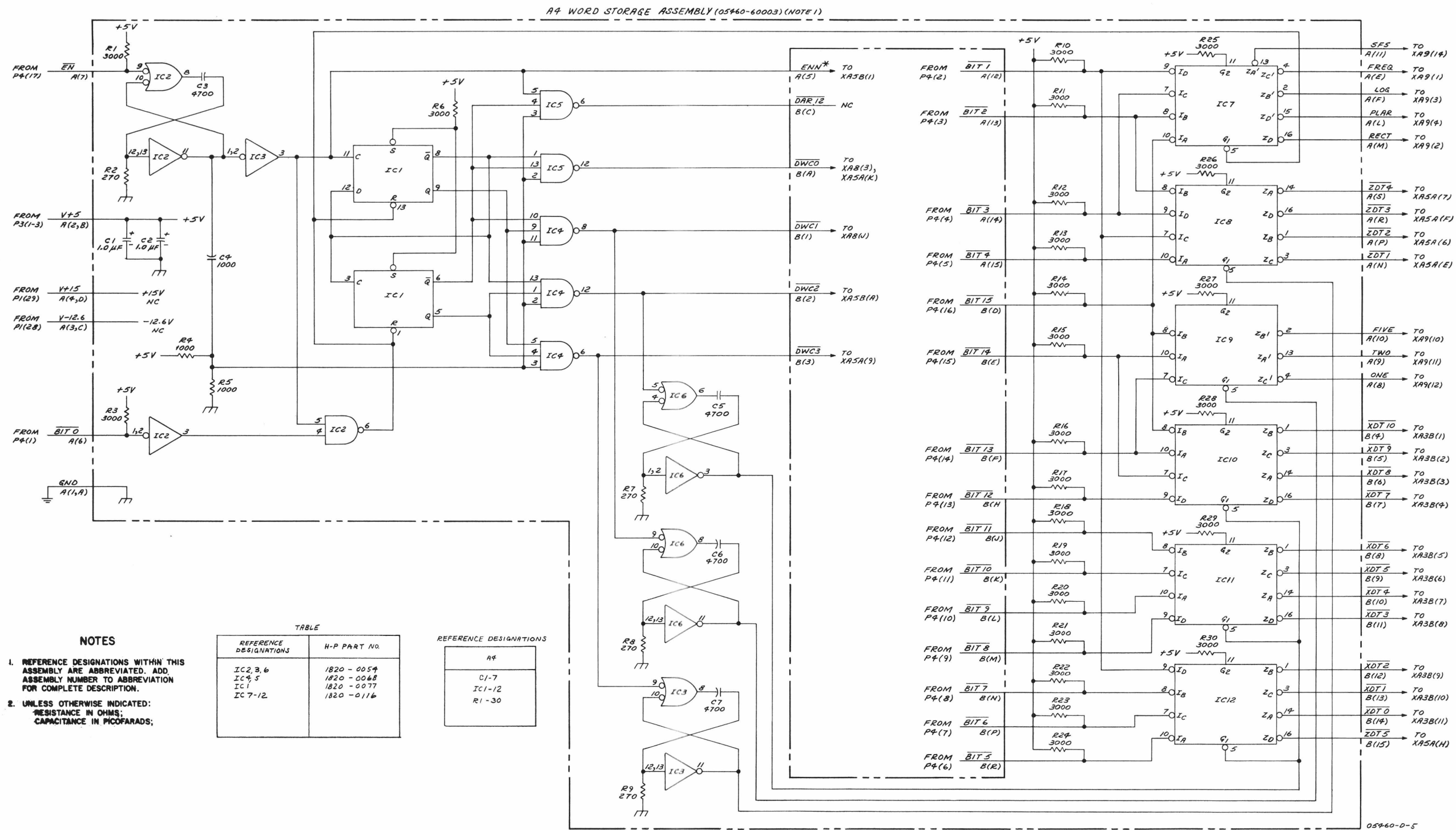
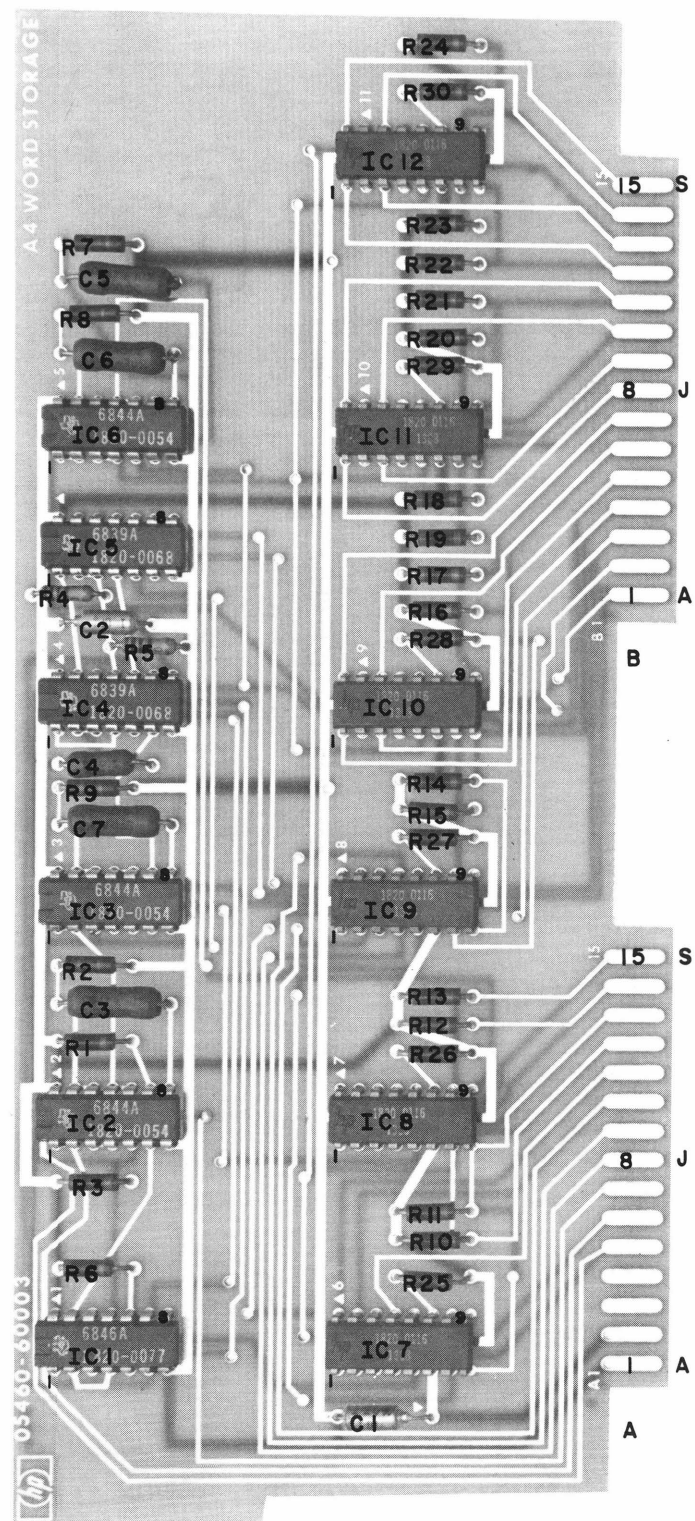
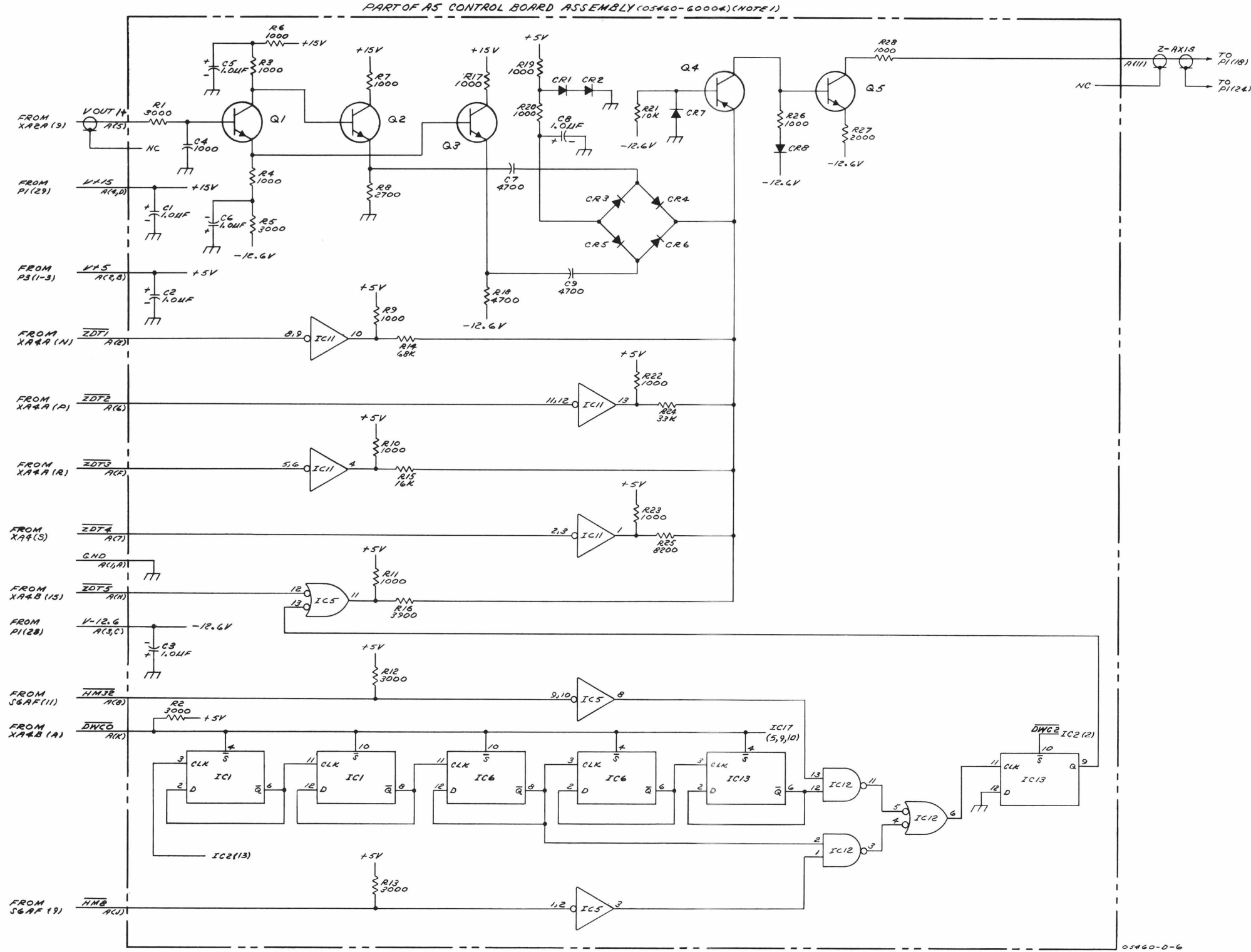
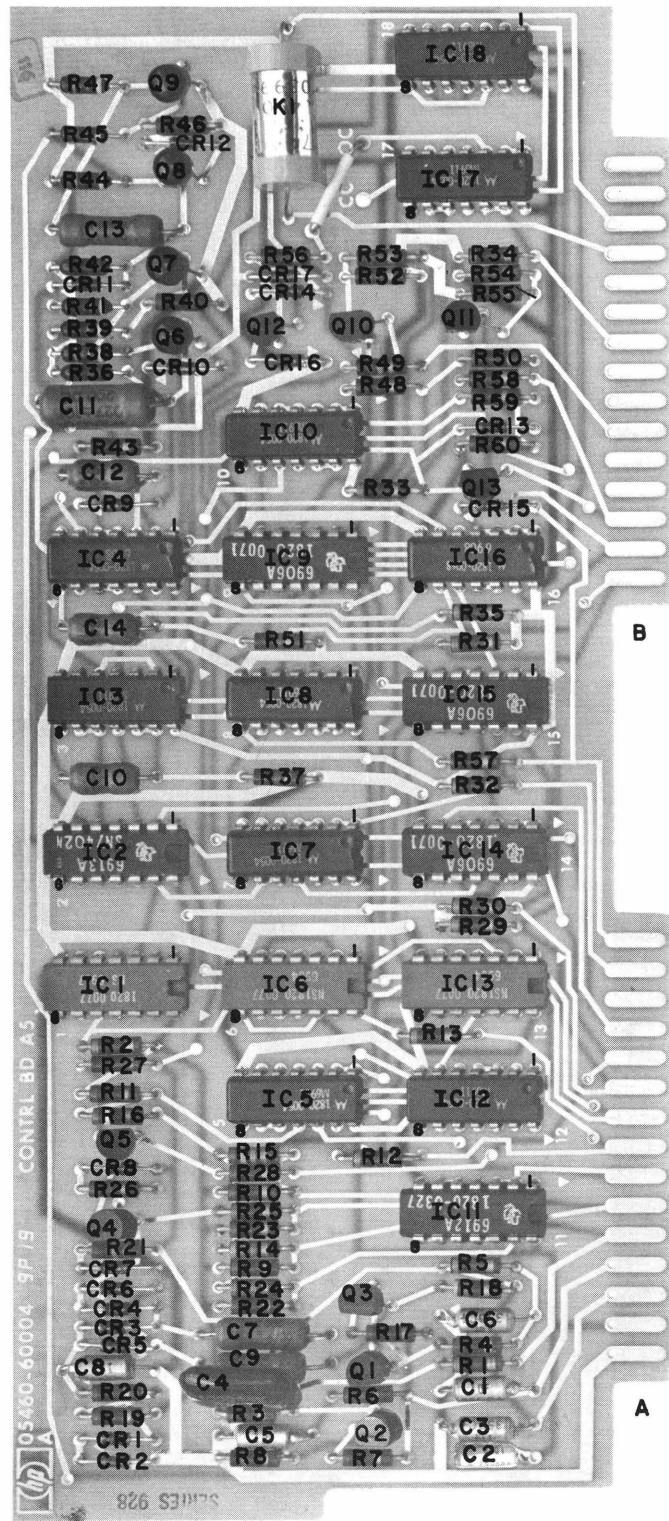


Figure 2-4
5460A A4 WORD STORAGE ASSY.
2-9



NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED: RESISTANCE IN OHMS; CAPACITANCE IN PICOFARADS;
3. JUMPER FOR CLOSED OR OPEN CONTACTS WHEN PLOTTER PIN IS DOWN.

TABLE

REFERENCE DESIGNATIONS	H-P PART NO.
CE1-17	1901 - 0040
IC 3,4,5,7,8,9,10,12,17,18	1820 - 0054
IC 16	1820 - 0068
IC 9,14,15	1820 - 0071
IC 1,10,13	1820 - 0077
IC 11	1820 - 0327
IC 2	1820 - 0328
Q4,10,11	1853 - 0020
Q1-3,5,12,13	1854 - 0071
Q 6-9	1854 - 0092

REFERENCE DESIGNATIONS

NO. PREFIX	A5
	C1-14
	CR1-17
	IC1-18
	K1
	Q1-13
	R1-60
S11	

Figure 2-5
5460A A5 CONTROL BOARD ASSY.
Sheet 1 of 2
2-11

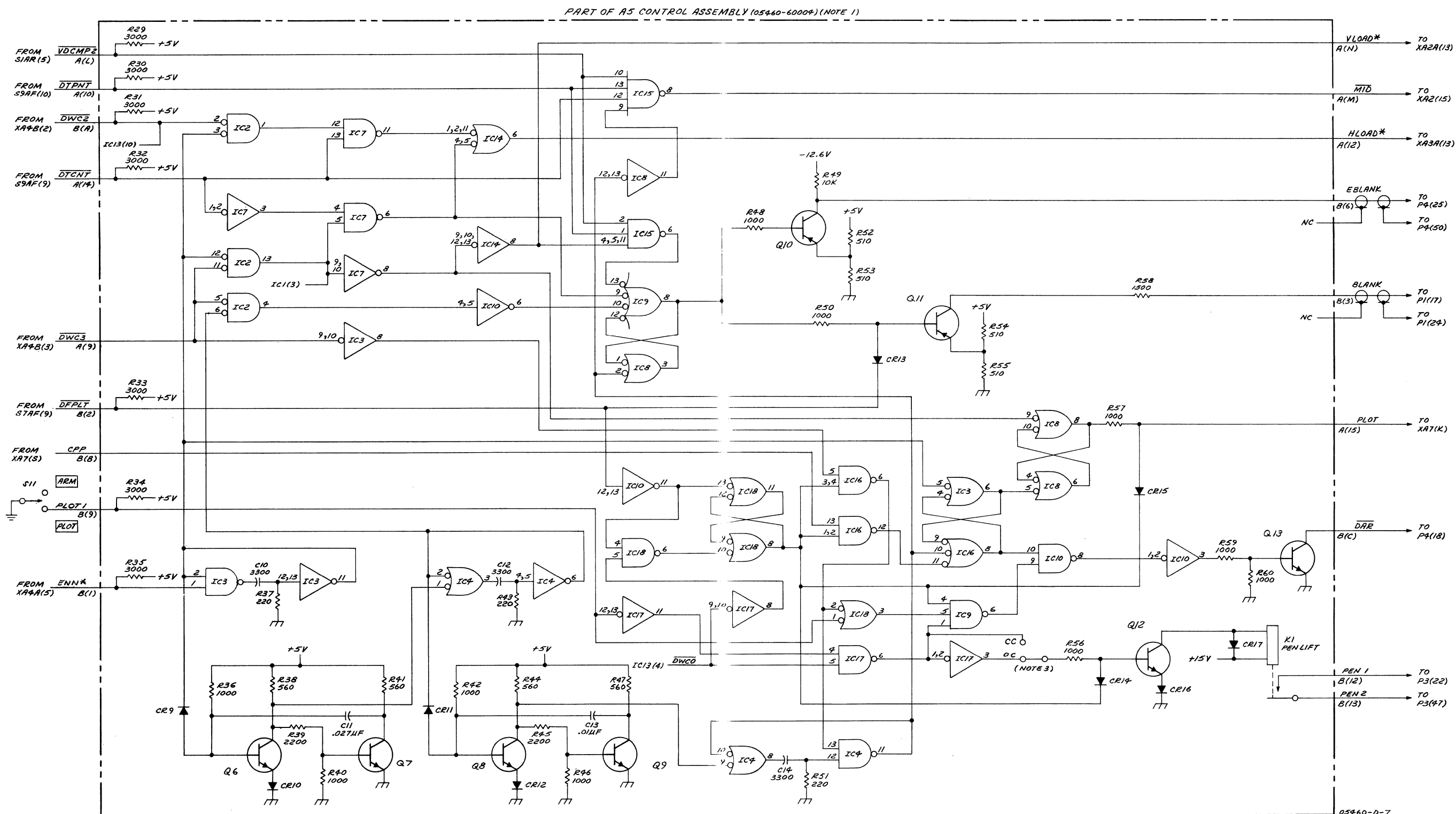
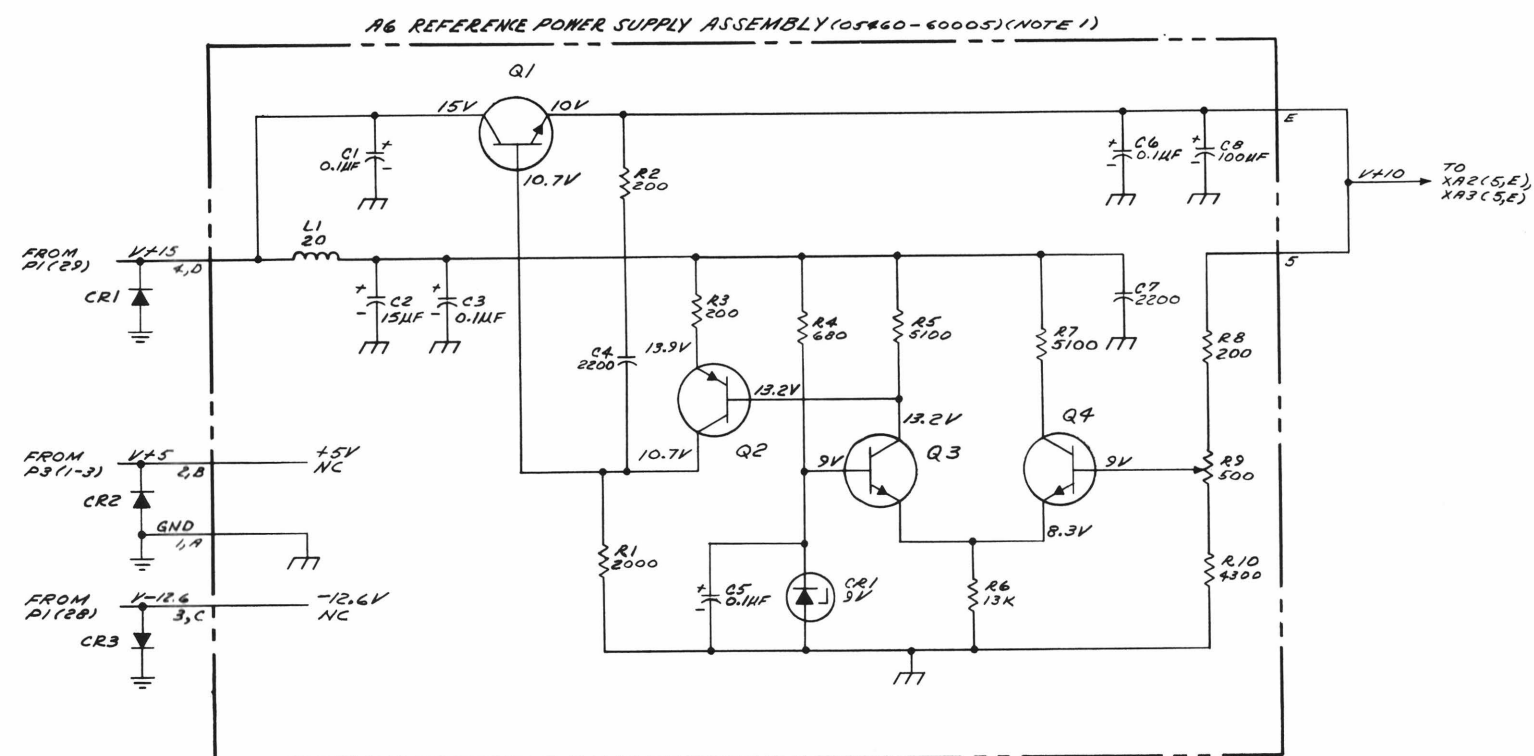
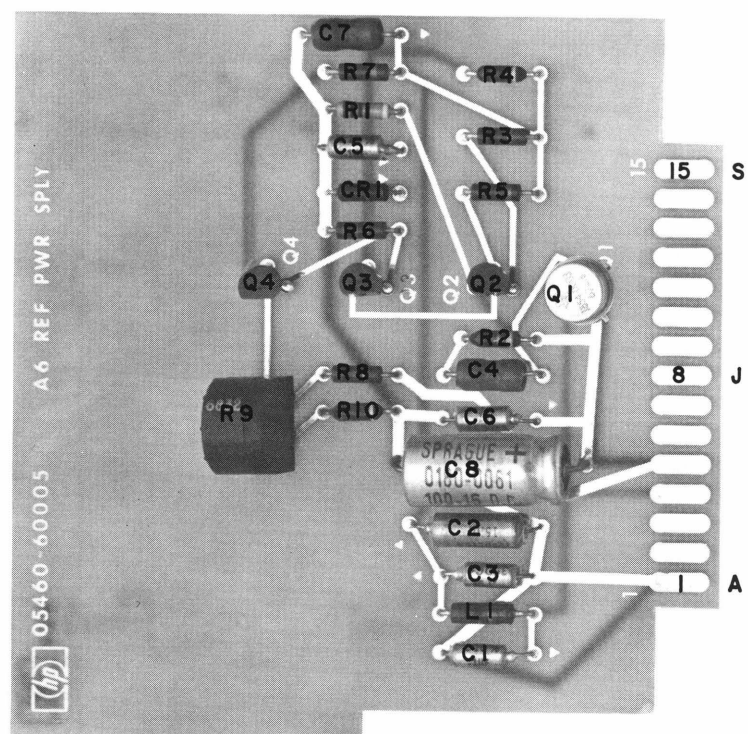


Figure 2-5
5460A A5 CONTROL BOARD ASSY.
Sheet 2 of 2
2-13



NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

REFERENCE DESIGNATIONS

NO PREFIX	A6
CR1-3	C1-8 CR1 LI Q1-4 R1-10

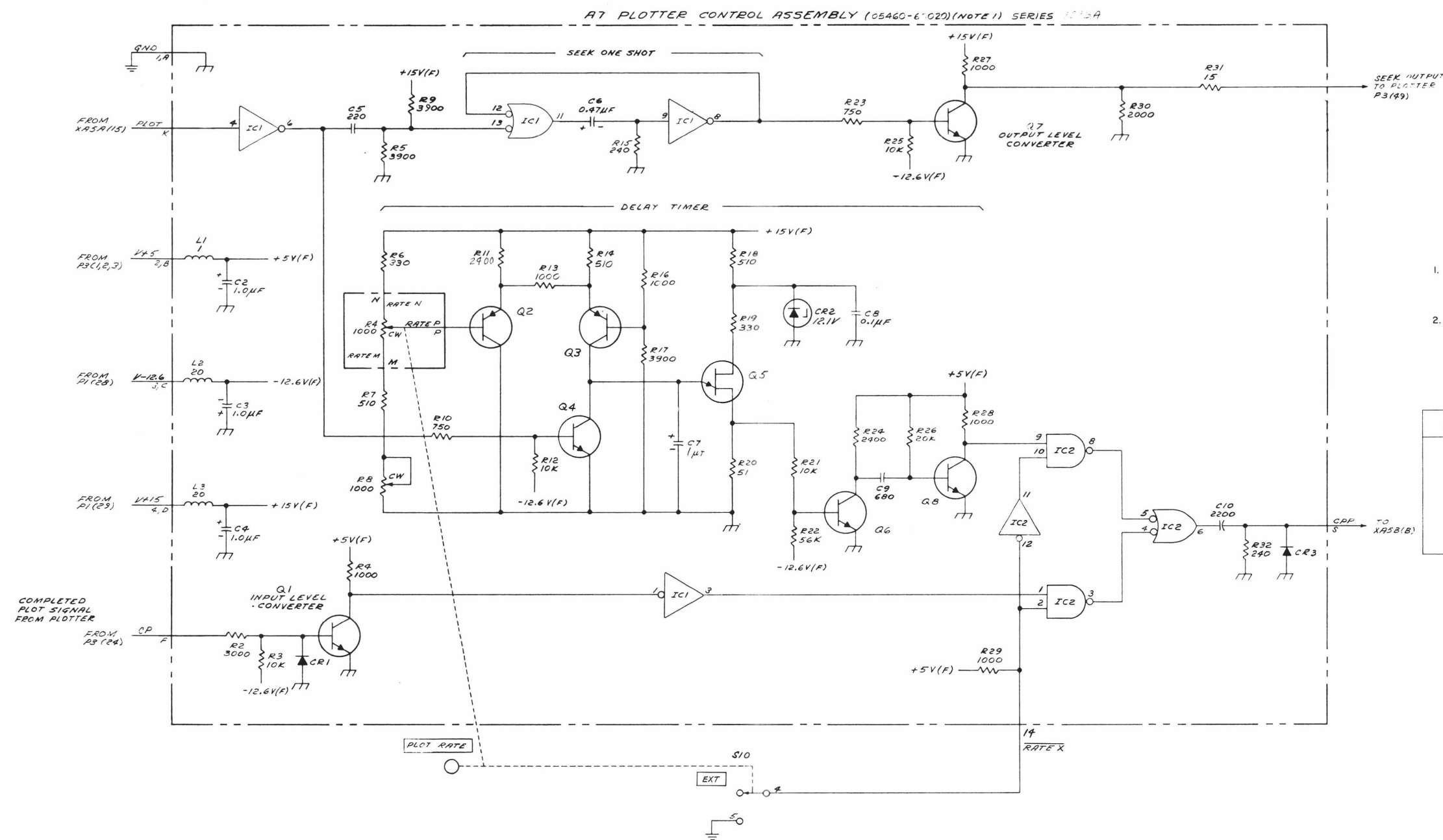
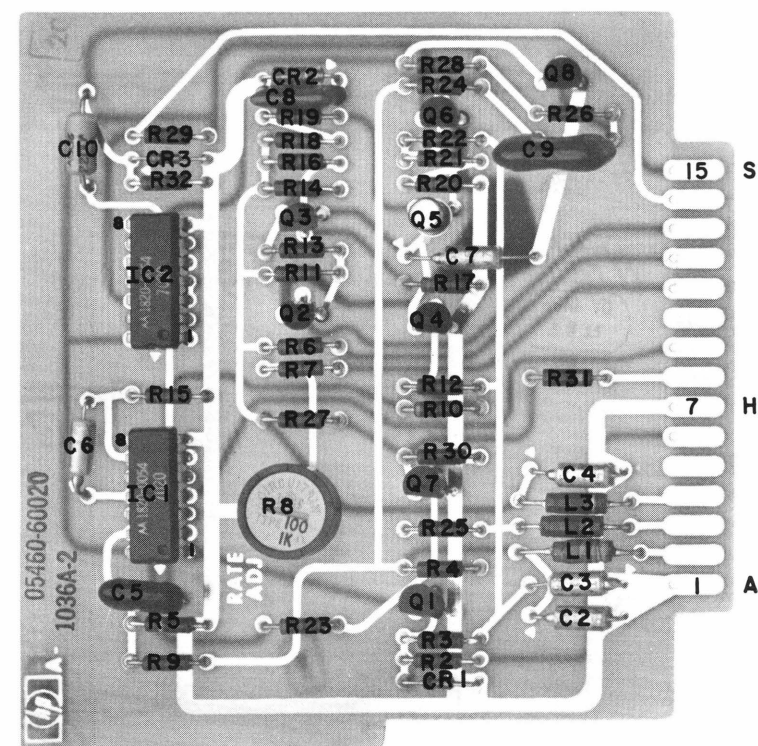
05460-0-8

TABLE

REF DESIGNATIONS	H-P PART NO.
CR1	1902 - 0071
Q2	1853 - 0020
Q1	1859 - 0003
Q3, 4	1854 - 0071

Figure 2-6

5460A A6 REFERENCE POWER SUPPLY ASSY.



NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

TABLE 1

REFERENCE DESIGNATIONS	H-P PART NO.
CR1,3	1901-0040
CR2	1902-3182
IC1,2	1820-0054
Q2,3	1853-0036
	2N3394
GI, 4, 6-8	1854-0071
Q5	1855-0010
	2N2646

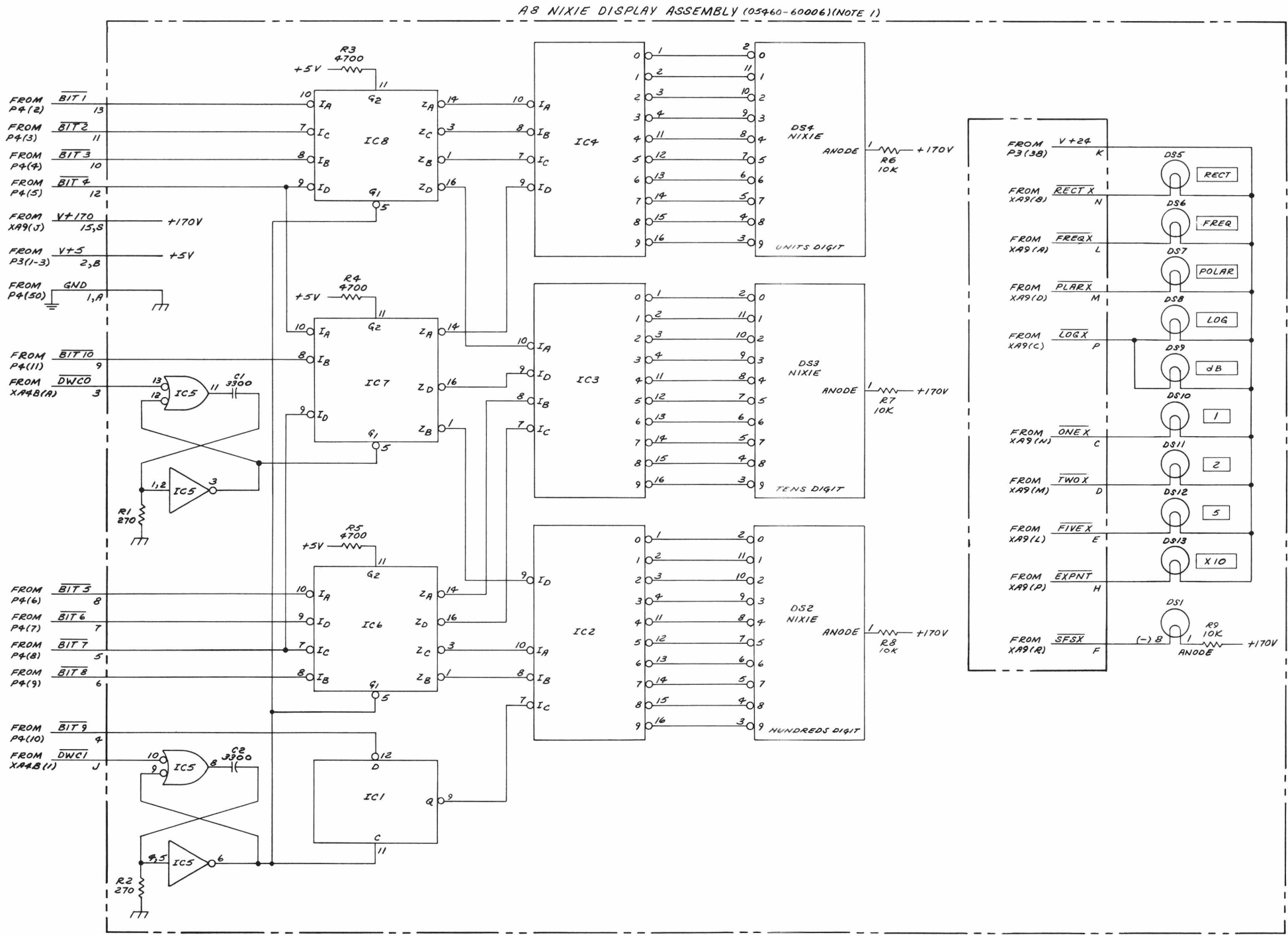
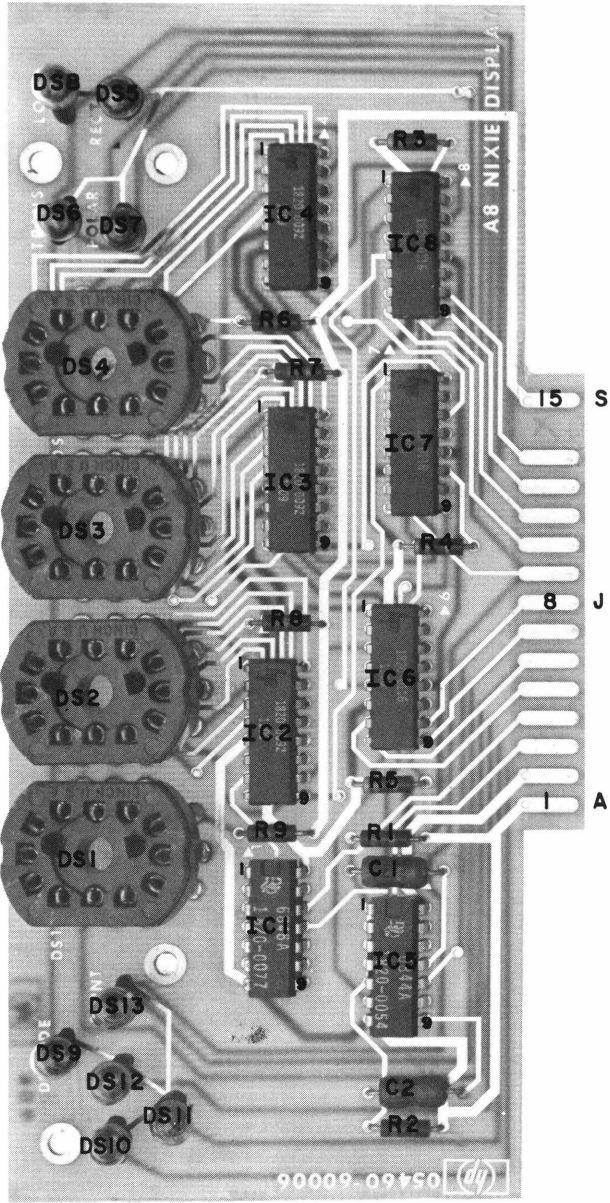
REFERENCE DESIGNATIONS

NO PREFIX	A7
R4 S10	C2-10 CR1-3 IC1,2 L1-3 Q1-8 R2-32

05460-D-9

Figure 2-7

5460A A7 PLOTTER CONTROL BOARD ASSY.

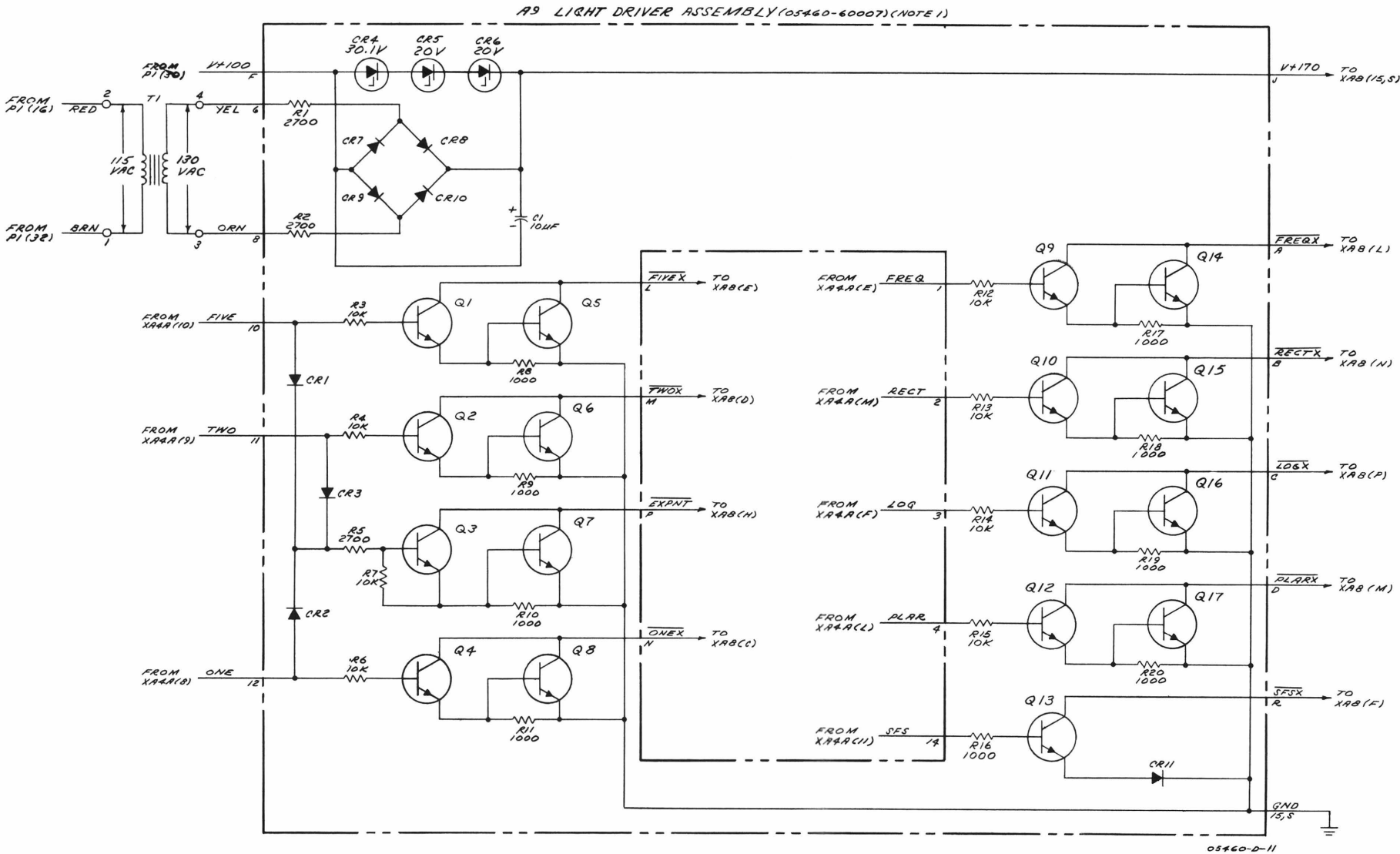
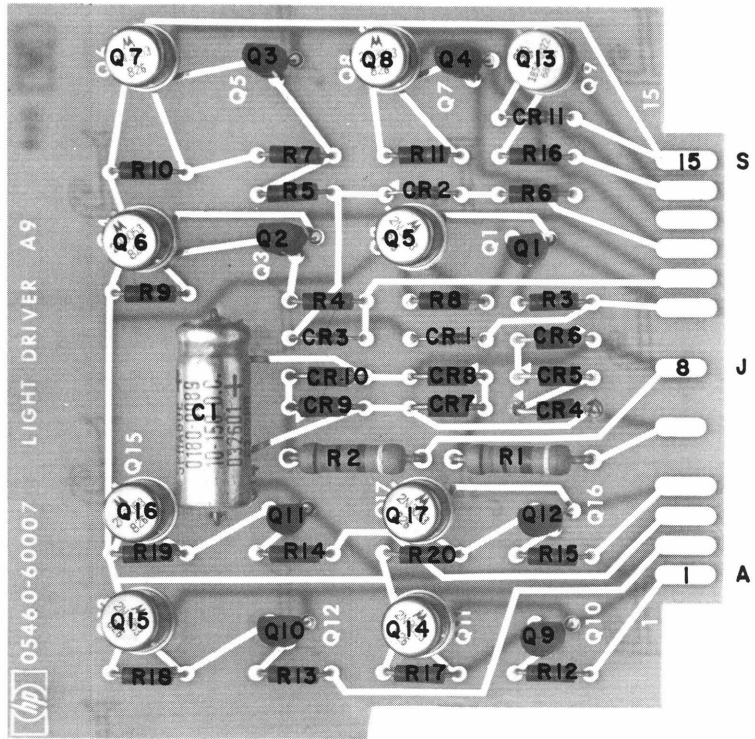


- NOTES
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;

TABLE	
REFERENCE DESIGNATIONS	H-P PART NO.
IC 5	1820-0054
IC 1	1820-0077
IC 2-4	1820-0092
IC 6-8	1820-0116

REFERENCE DESIGNATIONS
A8
C1,2
DS1-13
IC1-8
R1-9

Figure 2-8
5460A A8 NIXIE DISPLAY ASSY.



- NOTES
- REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 - UNLESS OTHERWISE INDICATED: RESISTANCE IN OHMS; CAPACITANCE IN PICOFARADS.

REFERENCE DESIGNATIONS

NO. PREFIX	A9
C1	CR1-11
Q1-17	Q1-17
R1-20	R1-20
T1	

TABLE

REF. DESIGNATION	H-P PART NO.
CR1-10	1901-0028
CR1-3, 11	1901-0090
CR4	1902-0244
CR5, 6	1902-0556
Q13	1854-0022
Q5-8, 14-17	1854-0039
Q1-4, 9-12	1854-0071

Figure 2-9
5460A A9 LIGHT DRIVER ASSY.
2-21

CONNECTIONS BETWEEN 5460A DISPLAY PLUG-IN AND H51-180AR OSCILLOSCOPE

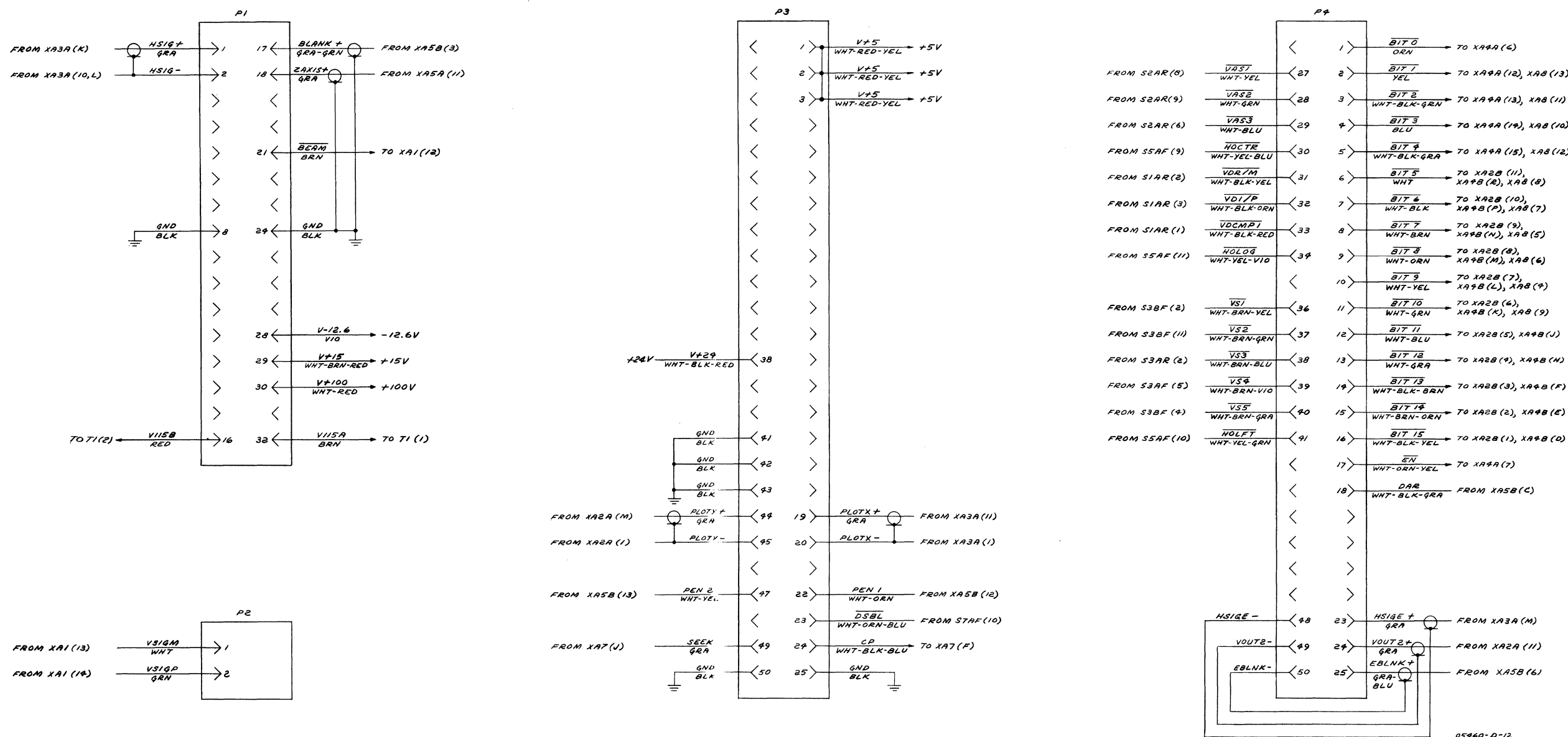


Figure 2-10
5460A CONNECTIONS BETWEEN 5460A DISPLAY
PLUG-IN AND H51-180AR OSCILLOSCOPE

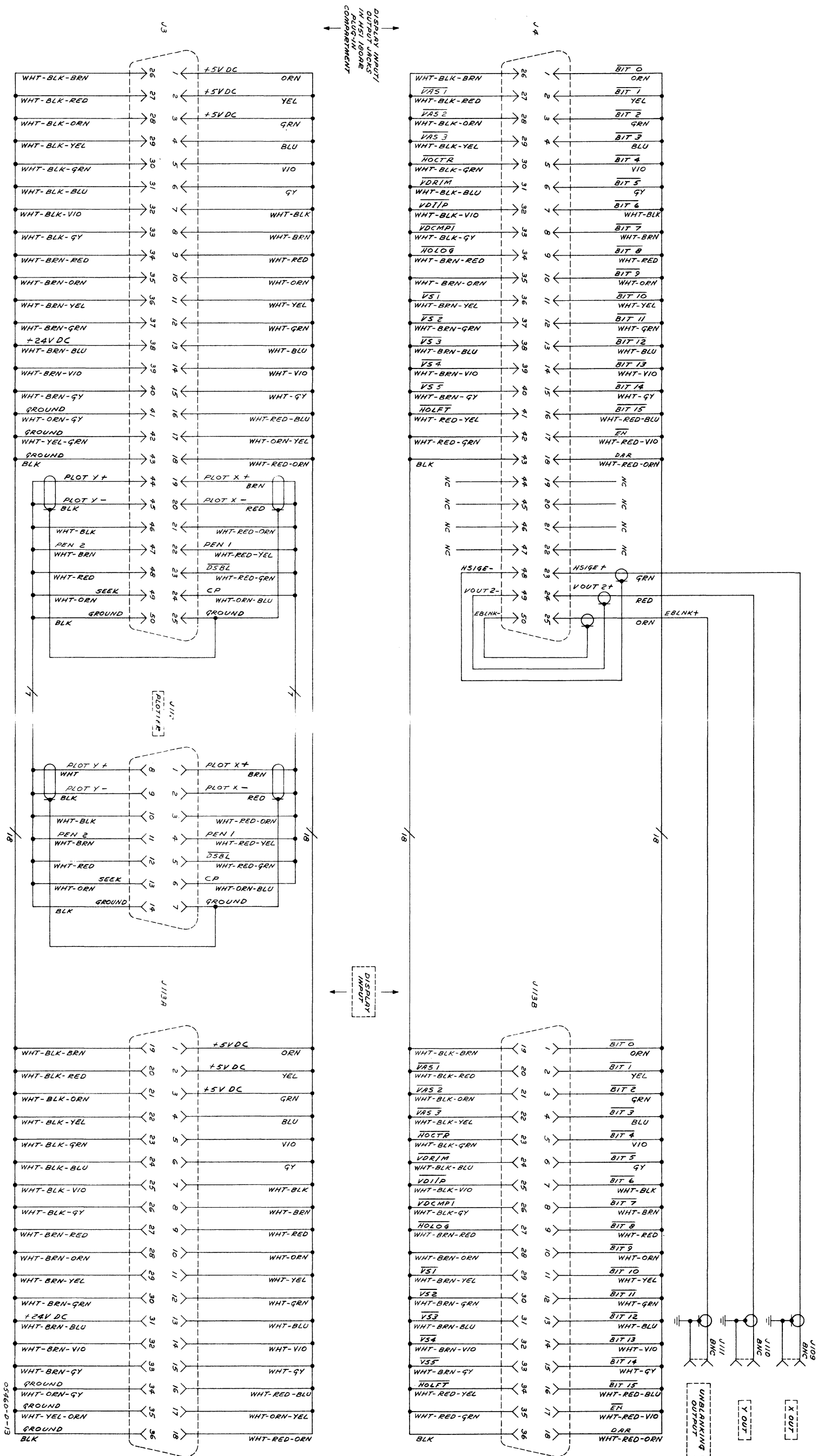


Figure 2-11
5460A EXTERNAL CONNECTIONS
2-25

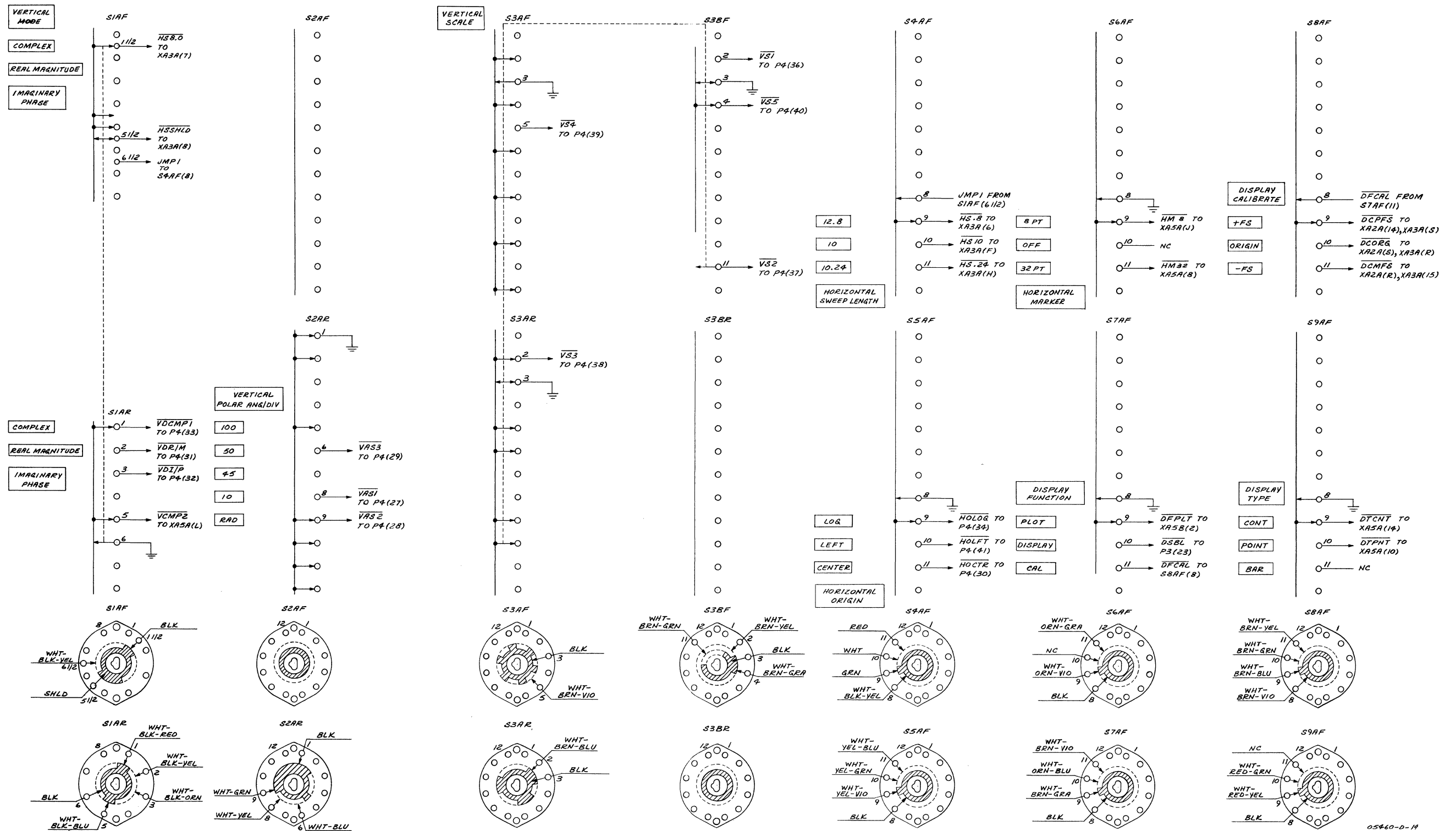


Figure 2-12
5460A SWITCH ASSEMBLIES

SECTION III

HP5465A ANALOG-TO-DIGITAL CONVERTER PLUG-IN

3.1 INTRODUCTION

This section contains schematics, component locators, wiring, and change data for the HP5465A ADC plug-in. For theory of operation, maintenance and troubleshooting procedures, refer to the System Service Manual.

3.2 CHANGE DATA

The change data provides back dating information to adapt this section to older 5465A plug-ins.

3.2.1 Current Instruments

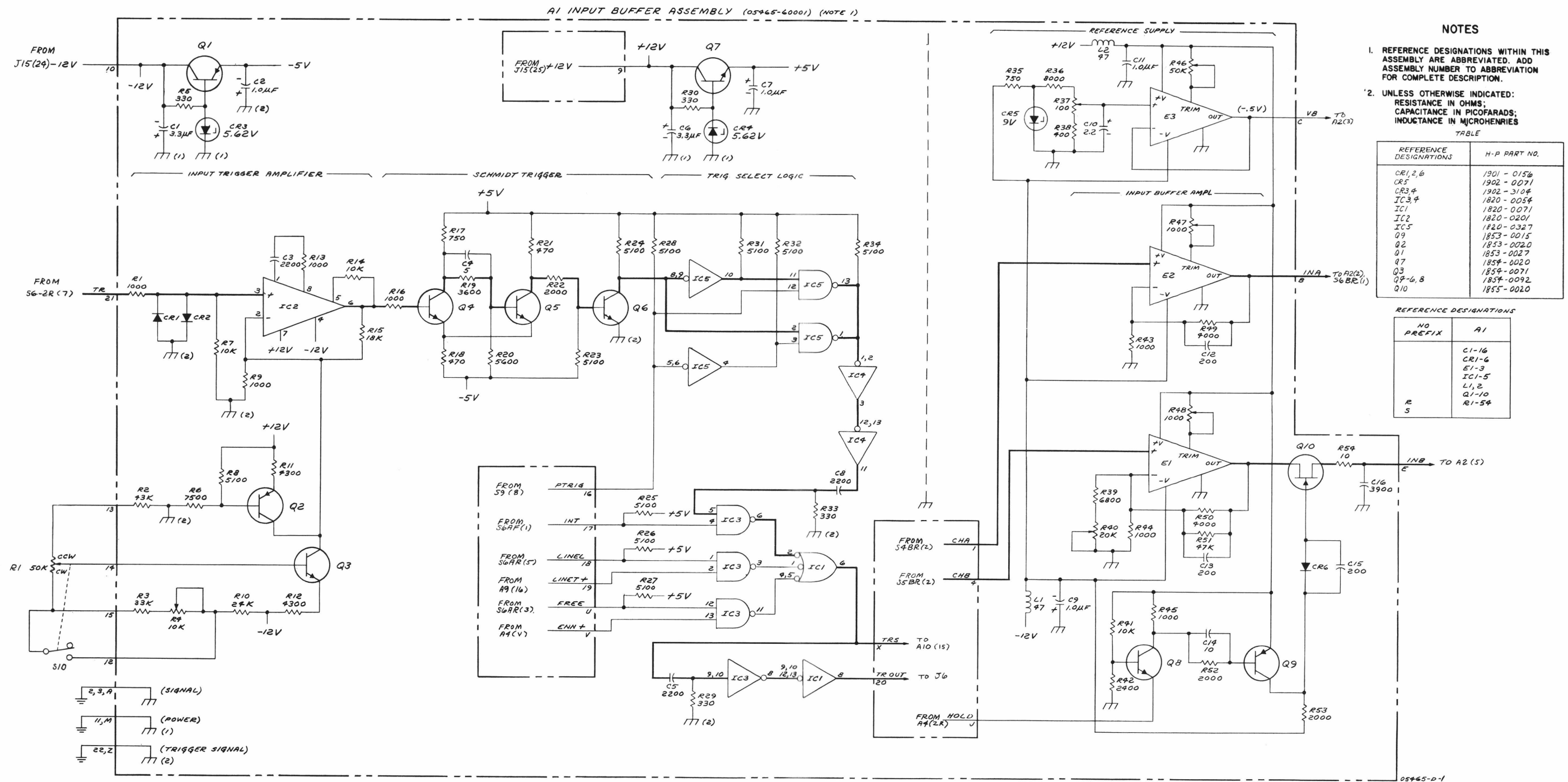
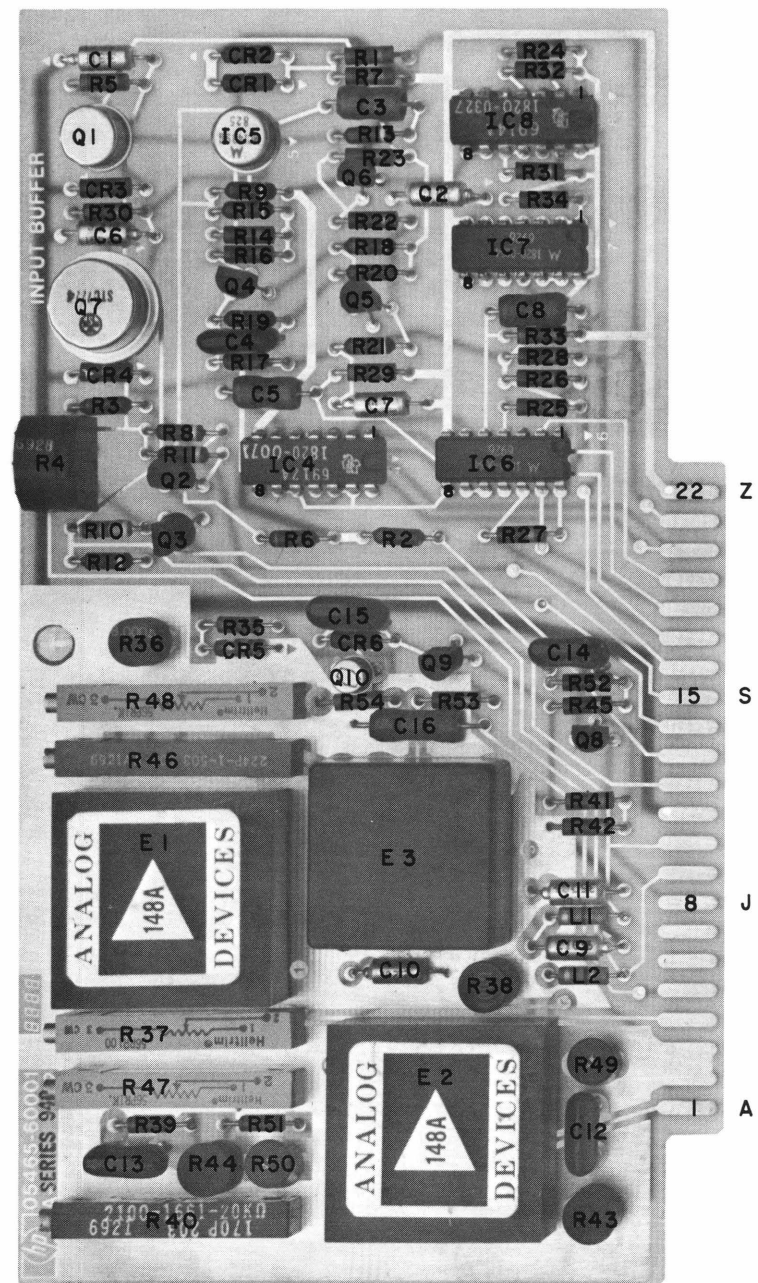
This section applies directly to Model 5465A plug-ins having serial prefix 980-.

3.2.2 Older Instruments

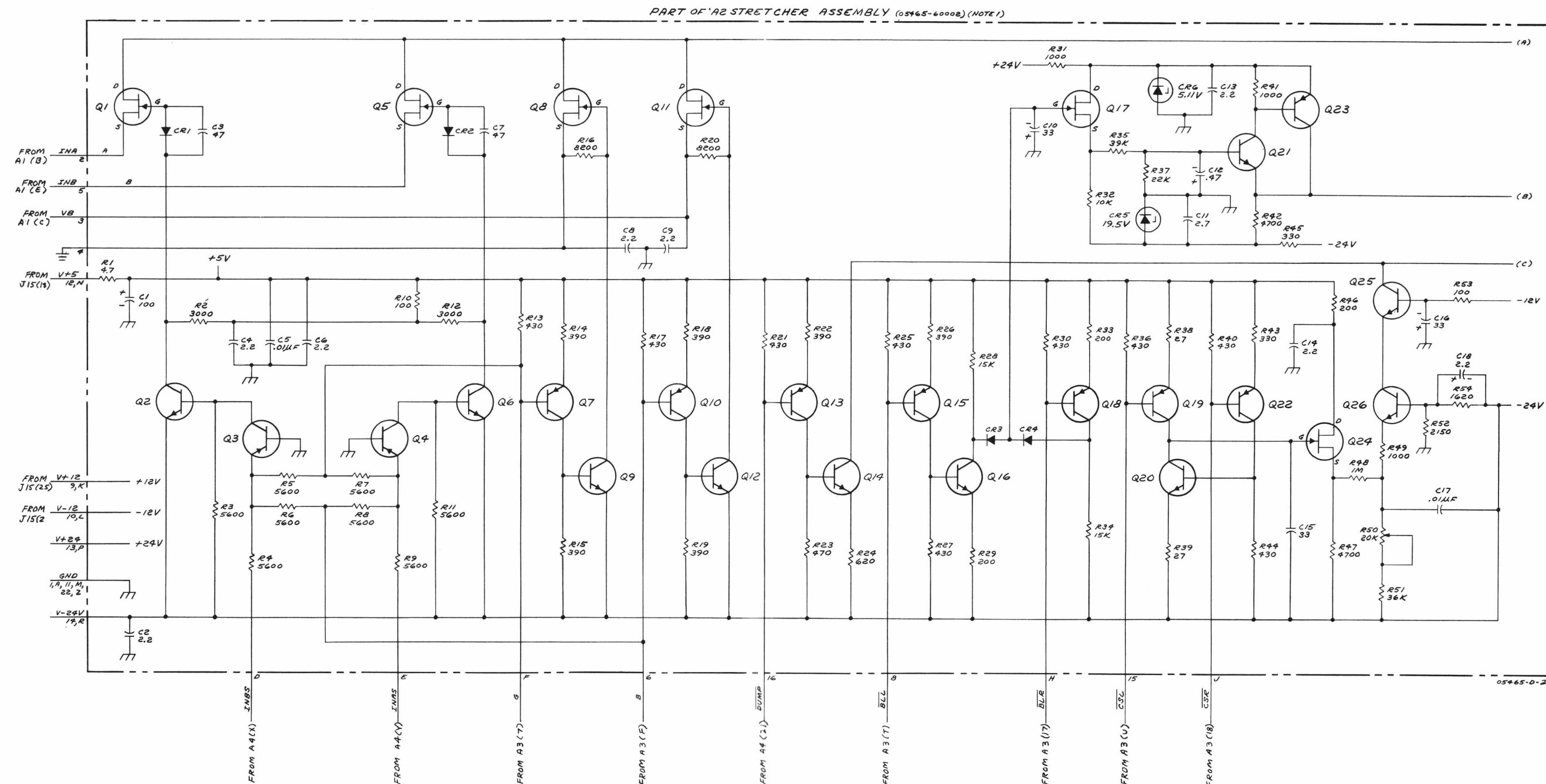
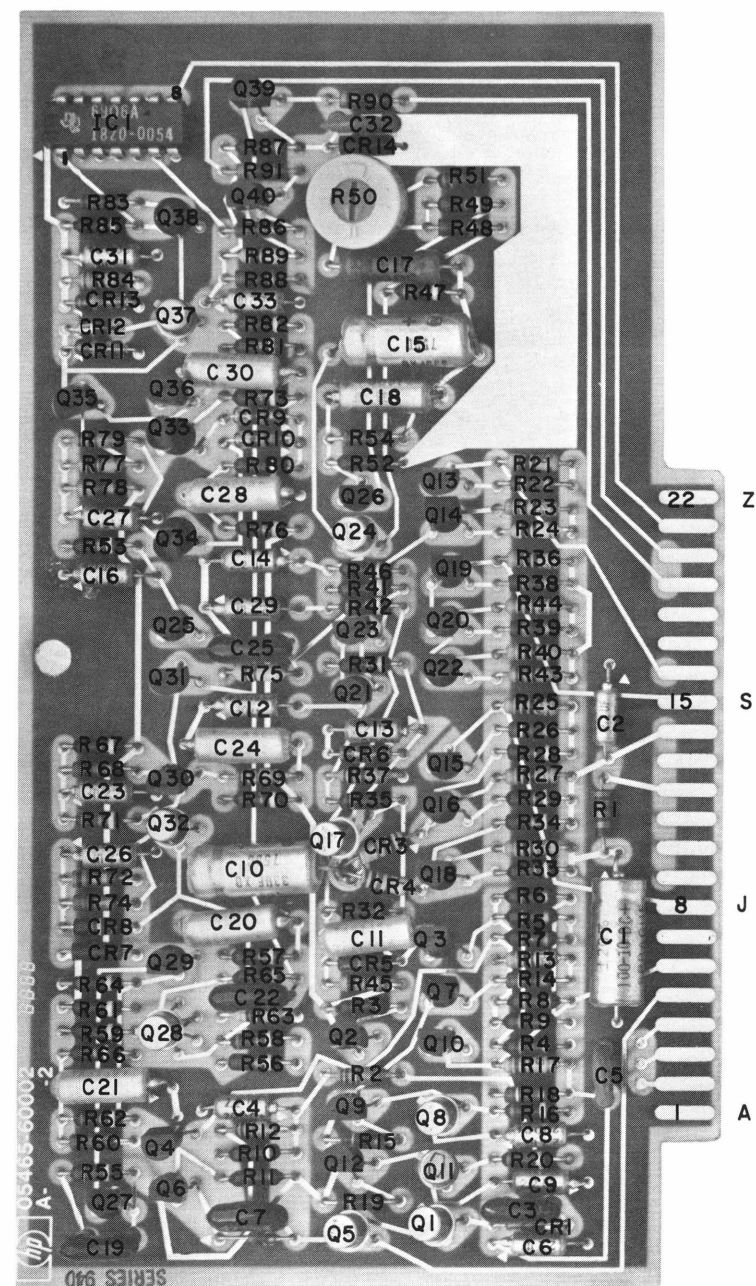
Back dating information to make this section applicable to older 5465A plug-ins is contained in Table 3-1.

Table 3-1. 5465A Change Data

SERIAL PREFIX NO.	MAKE MANUAL CHANGES			
960	1			
Change 1:	Re-lay out A10 board (05465-60010) to optimize IC circuitry. Schematics and component locators for both boards are contained in this section. If a board is marked "Series 940" it is the same as a "Series 928" board.			
DELETE:	IC3, 16, 23	INT CIRC	1820-0054	3 ea.
	IC8, 18, 26	INT CIRC	1820-0055	3 ea.
	IC6	INT CIRC	1820-0068	1 ea.
	IC5	INT CIRC	1820-0069	1 ea.
	IC11, 14	INT CIRC	1820-0077	2 ea.
	IC13, 22, 28	INT CIRC	1820-0174	3 ea.
	IC2, 19, 25, 27	INT CIRC	1820-0327	4 ea.
ADD:	IC5, 6, 13, 14, 26	INT CIRC	1820-0054	5 ea.
	IC19, 25, 27	INT CIRC	1820-0055	3 ea.
	IC16, 18	INT CIRC	1820-0068	2 ea.
	IC2, 22	INT CIRC	1820-0077	2 ea.
	IC23	INT CIRC	1820-0174	1 ea.
	IC3, 8, 11, 28	INT CIRC	1820-0327	4 ea.



5465A A1 INPUT BUFFER ASSY.



5465A A2 STRETCHER ASSY.

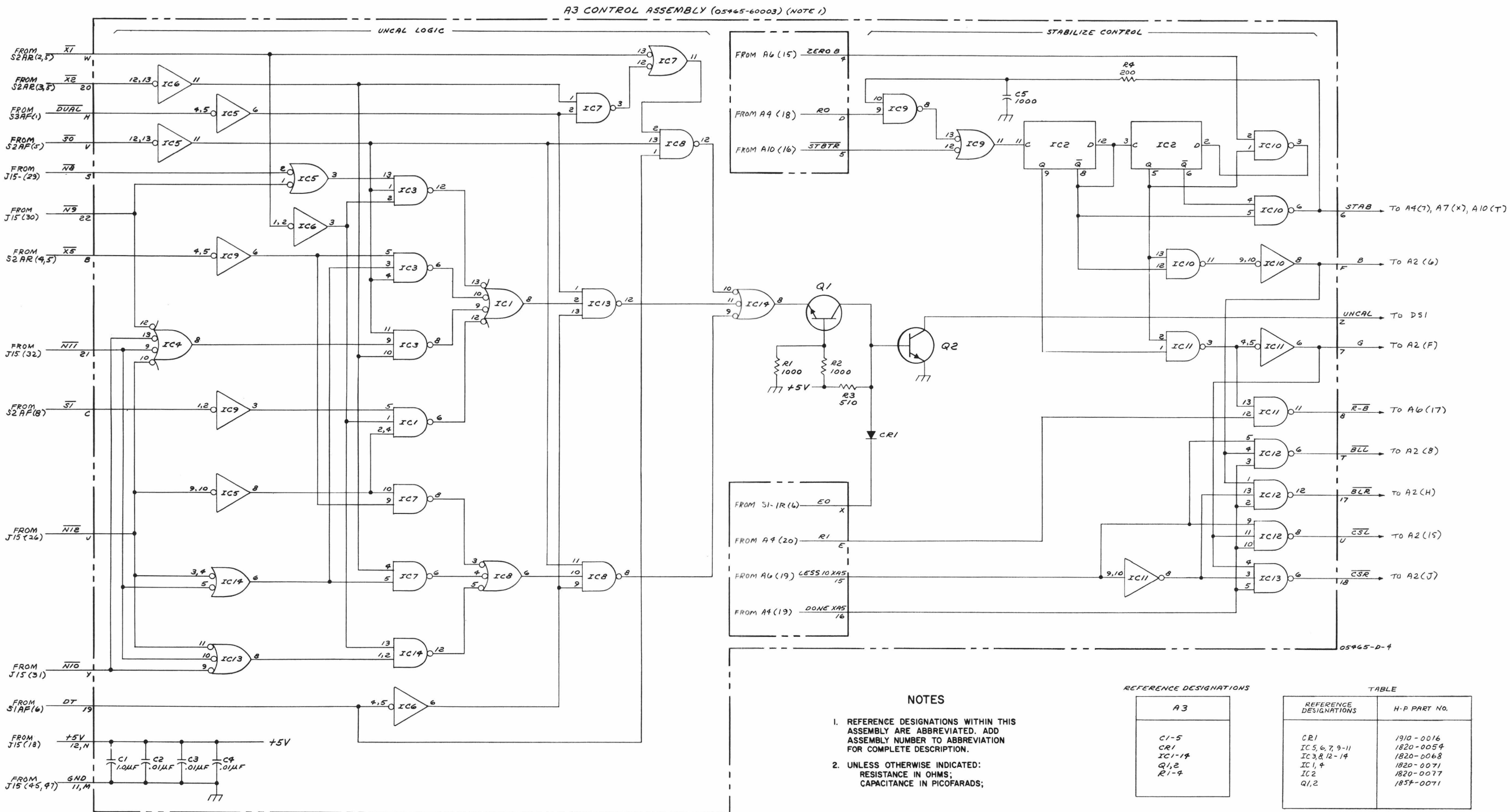
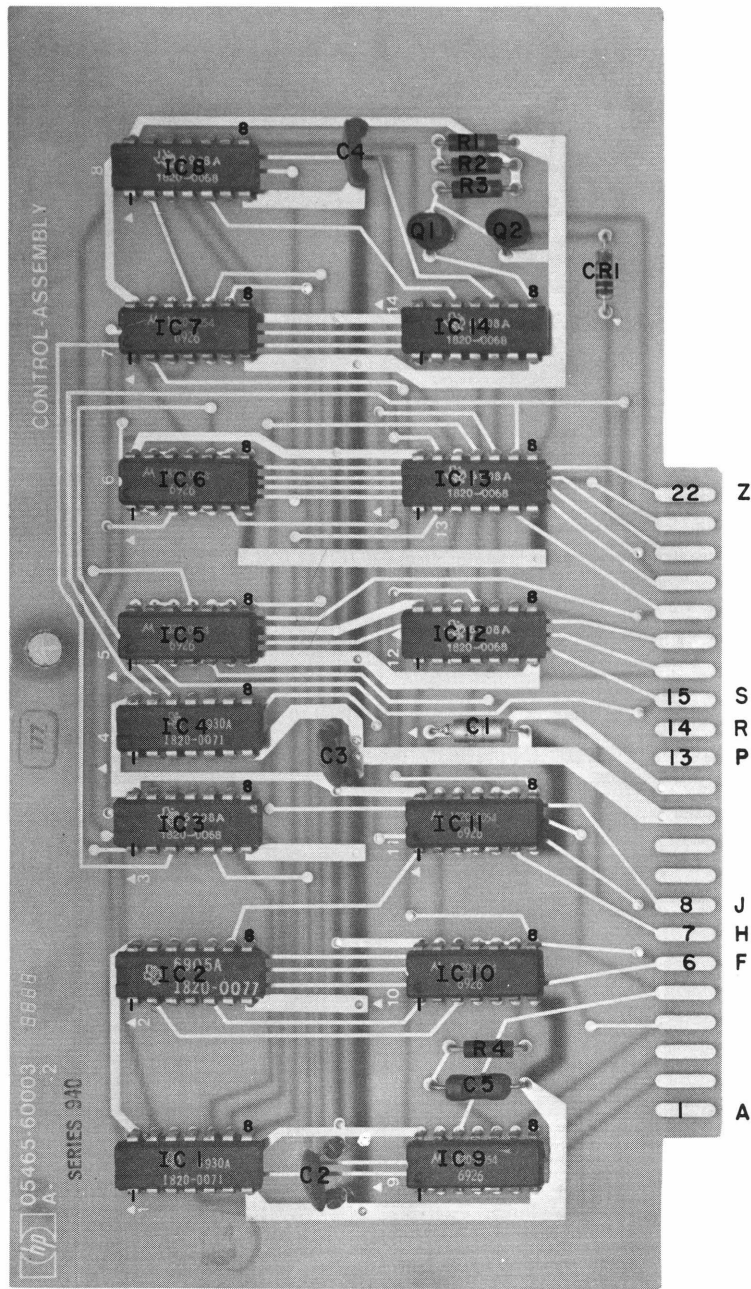


Figure 3-3
5465A A3 CONTROL BOARD ASSY.

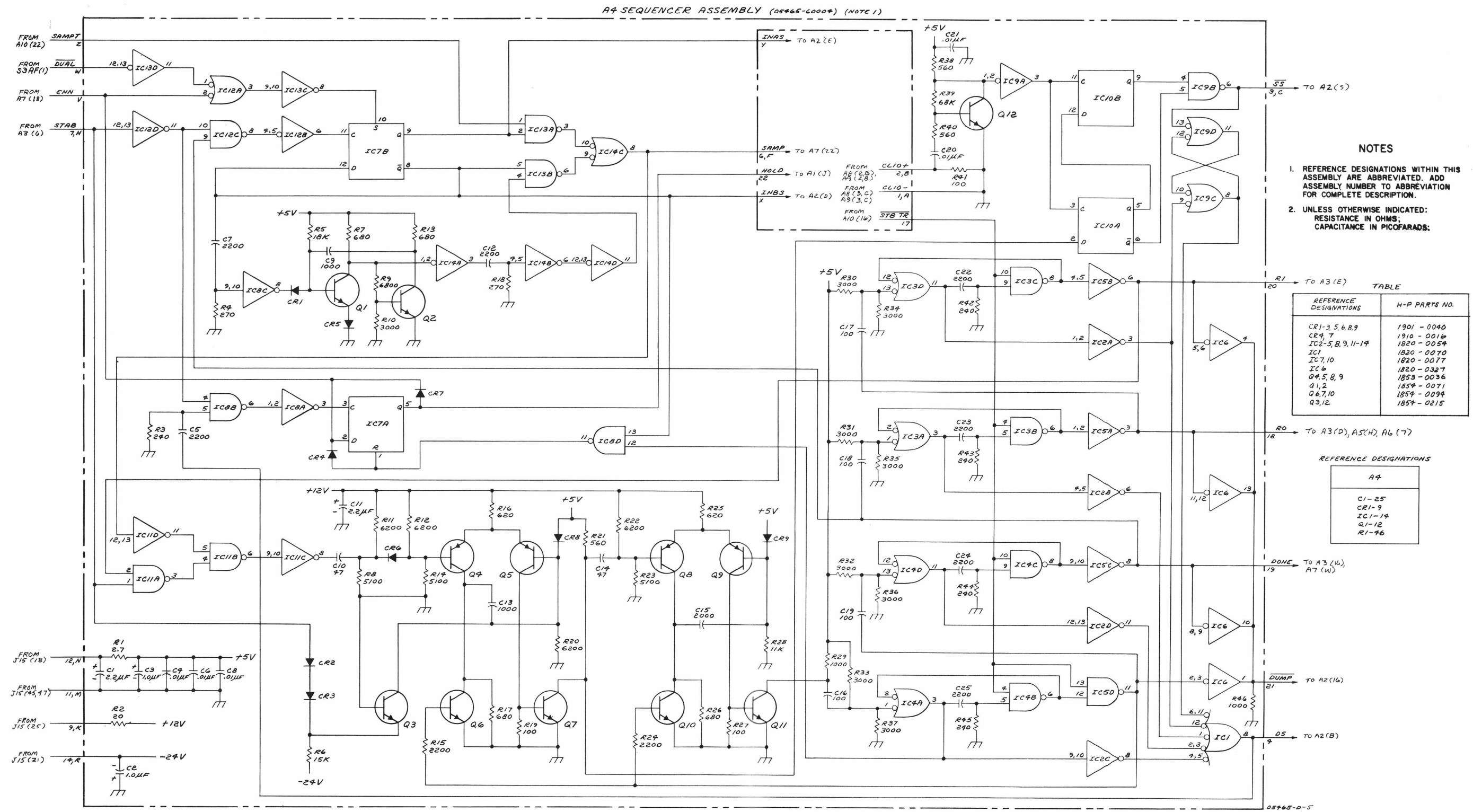
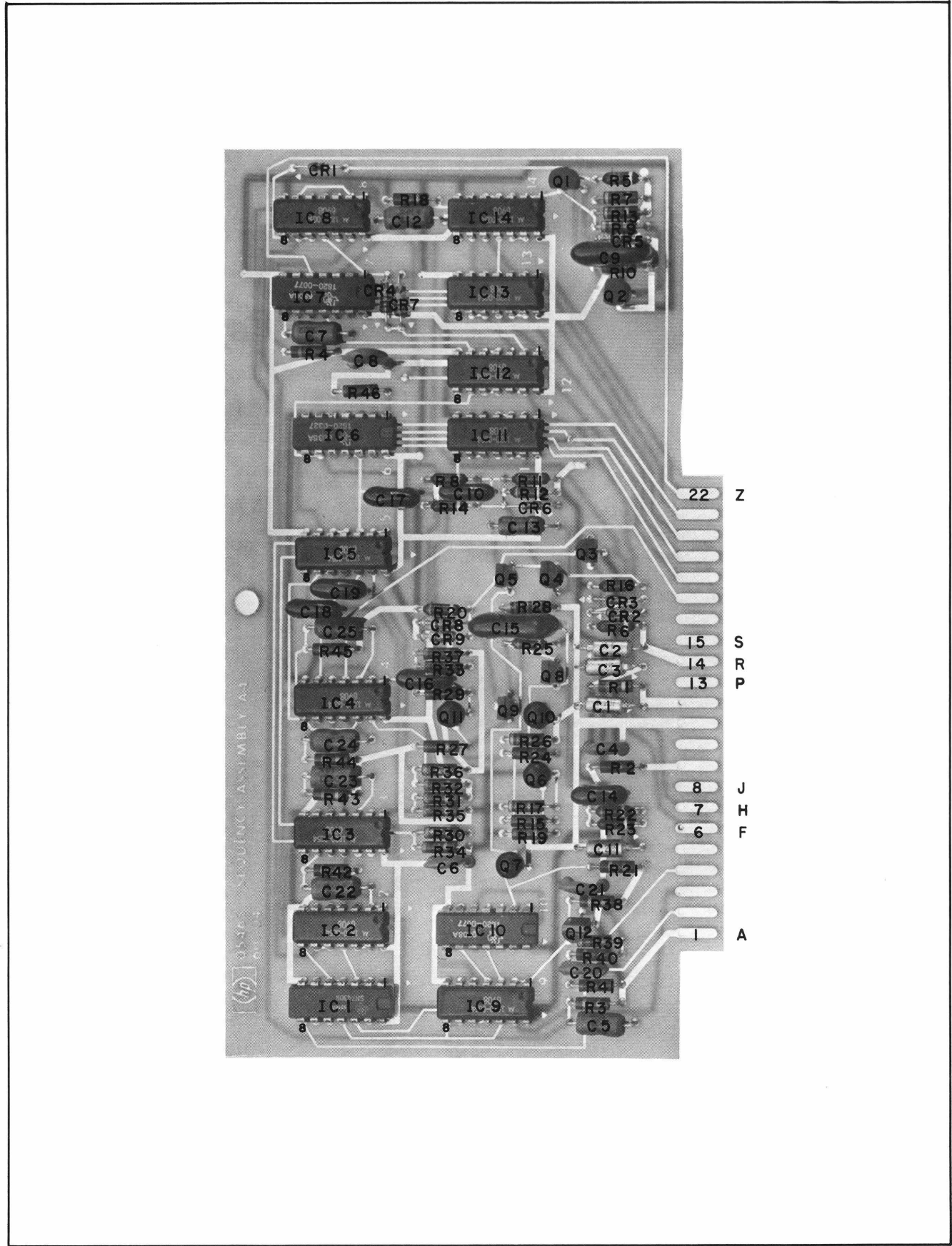
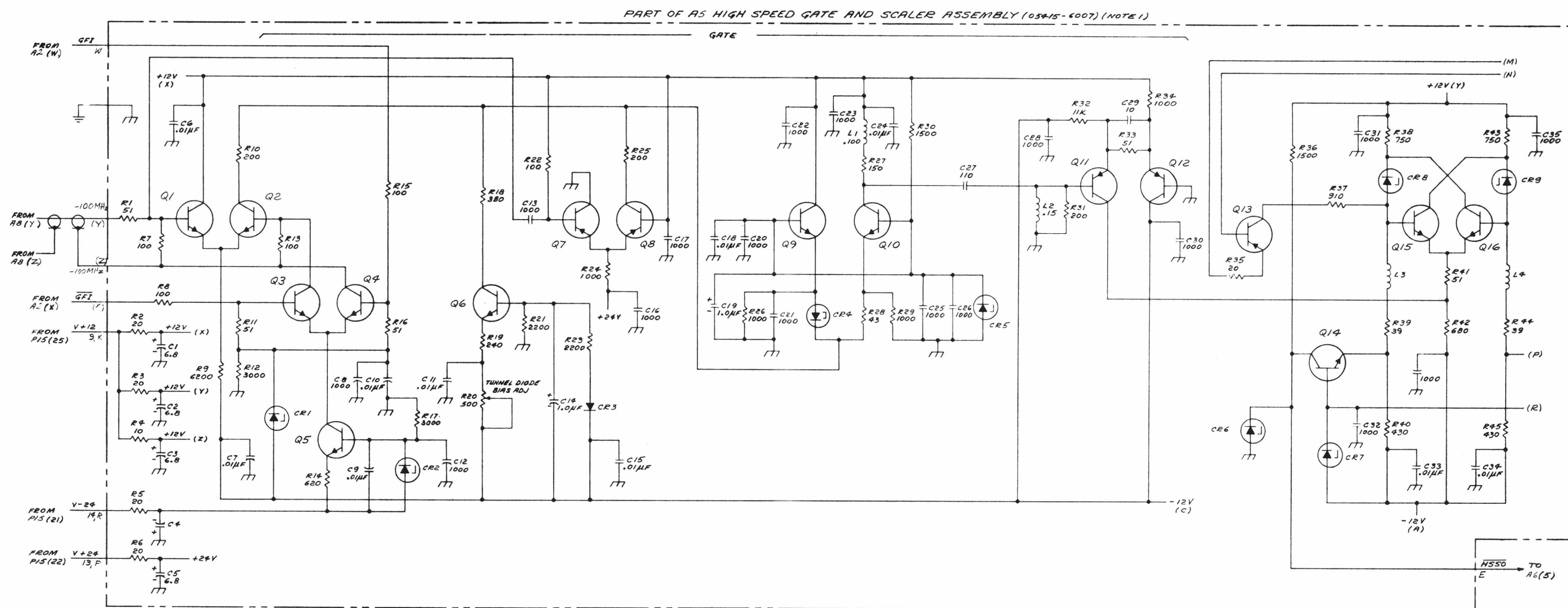
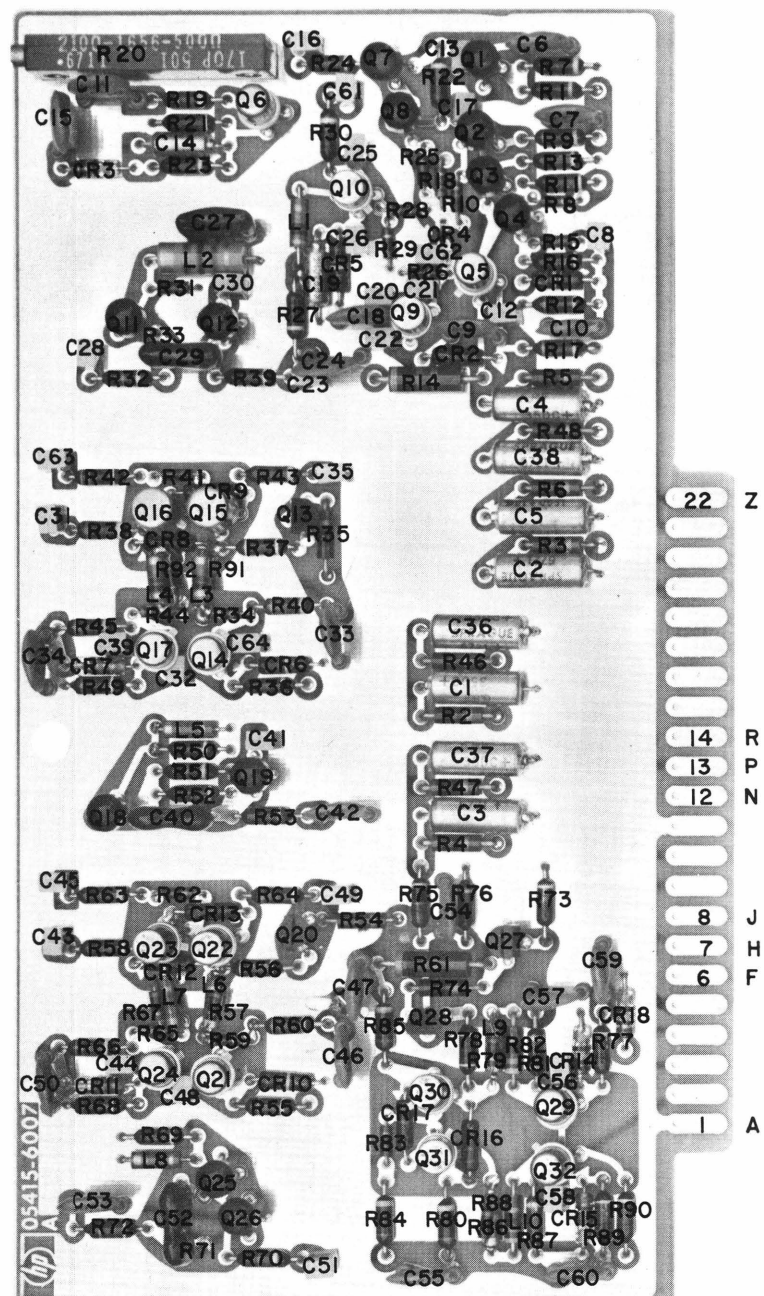


Figure 3-4
5465A A4 SEQUENCER CONTROL ASSY.



NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

TABLE	
FBI FILE LEGISLATION	HP PART NO
CE3, 16, 18	1901 - 0050
CE8, 12, 17, 14, 17	1902 - 0049
CE7, 11, 15	1902 - 0050
CE6, 10	1902 - 0052
CE2	1902 - 3059
CE7, 8	1902 - 3171
CE11, 12, 18, 19, 25, 26	1904 - 0084
	1853 - 0051
	N 13640
Q13 20, 27, 28	1853 0034
	2133566
Q5, 6	1854 - 0005
	24705
Q14, 17, 21, 24, 29, 32	1854 - 0019
Q9, 10, 15, 16, 22, 23	1854 - 0073
30, 31	
Q1, 2, 4	1854 - 0023
	20, 3562

REFERENCE DESIGNATIONS

C1-60
CR1-18
C1-10
Q1-32
R1-90

05465-D-6

Figure 3-5

5465A A5 HIGH SPEED GATE AND SCALER ASSY.

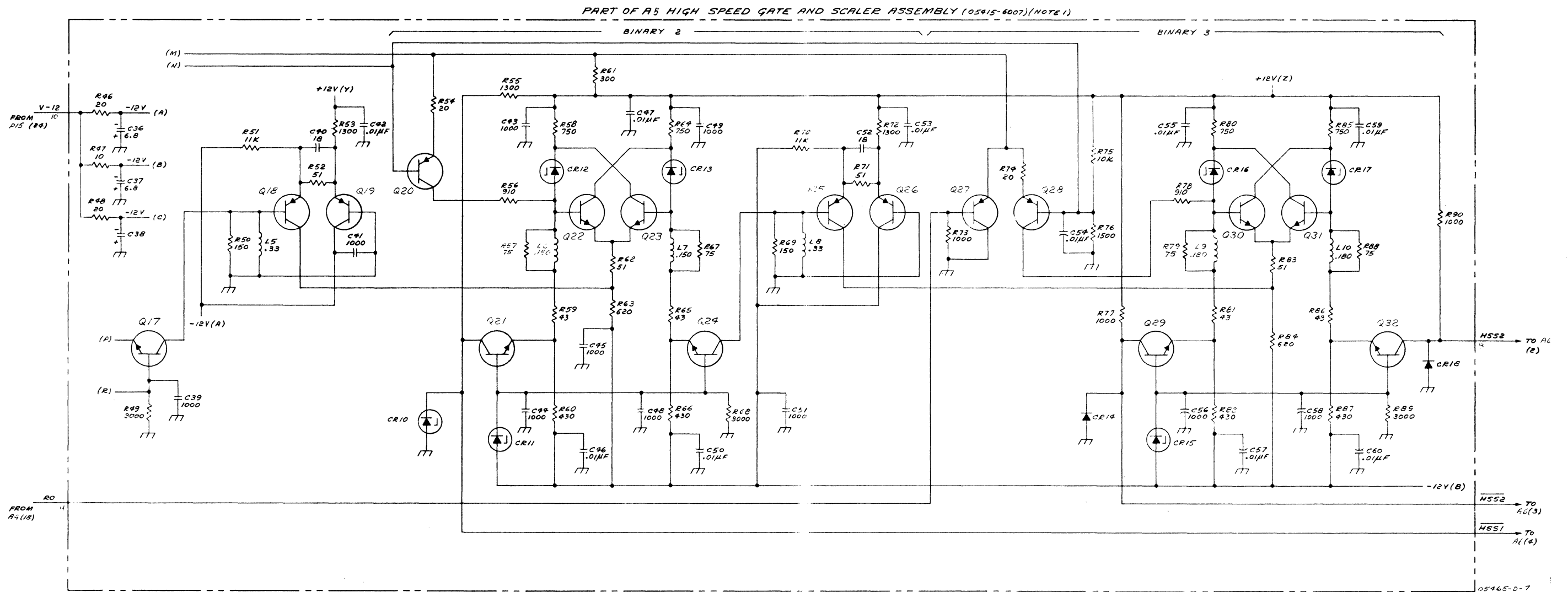


Figure 3-5
5465A A5 HIGH SPEED GATE AND SCALER ASSY.

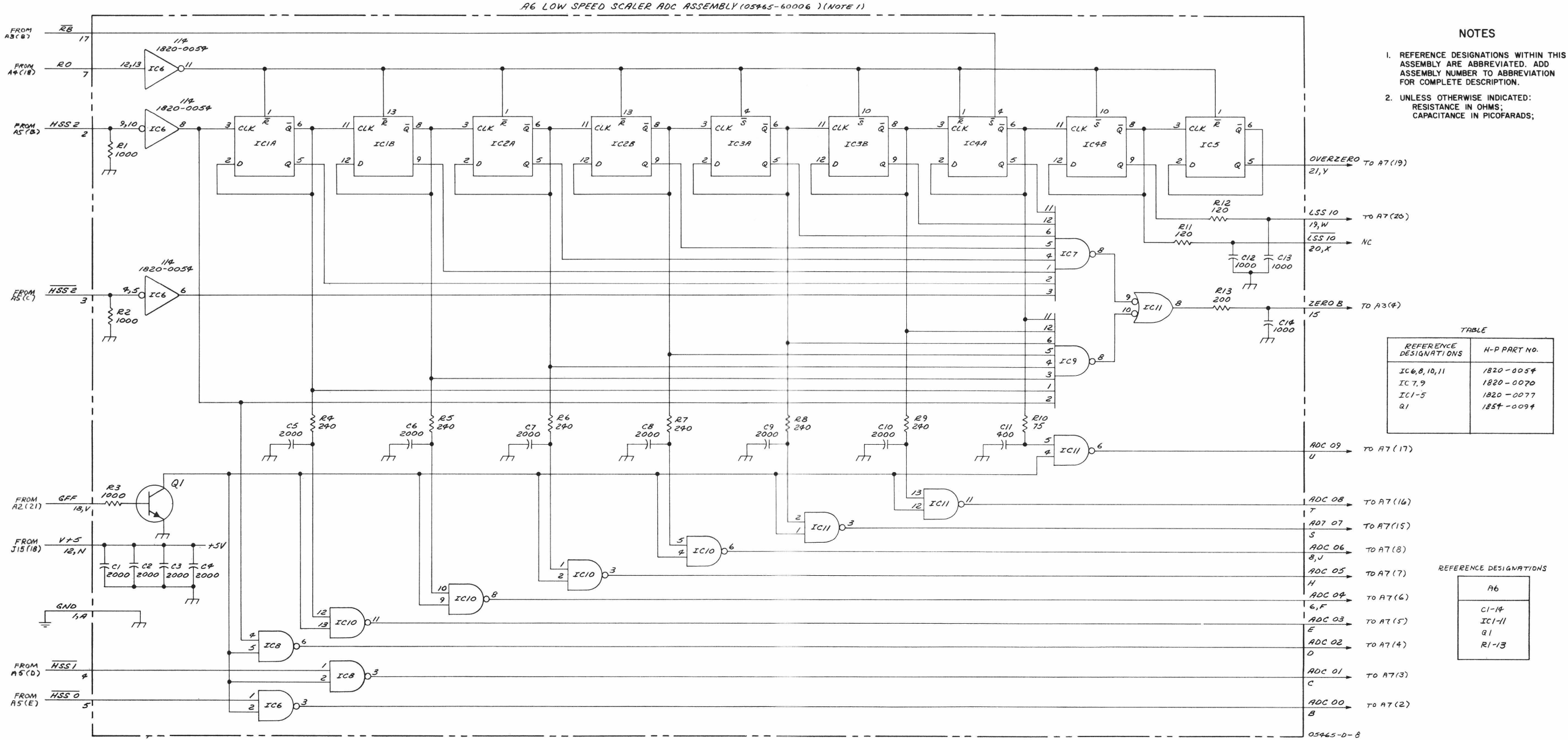
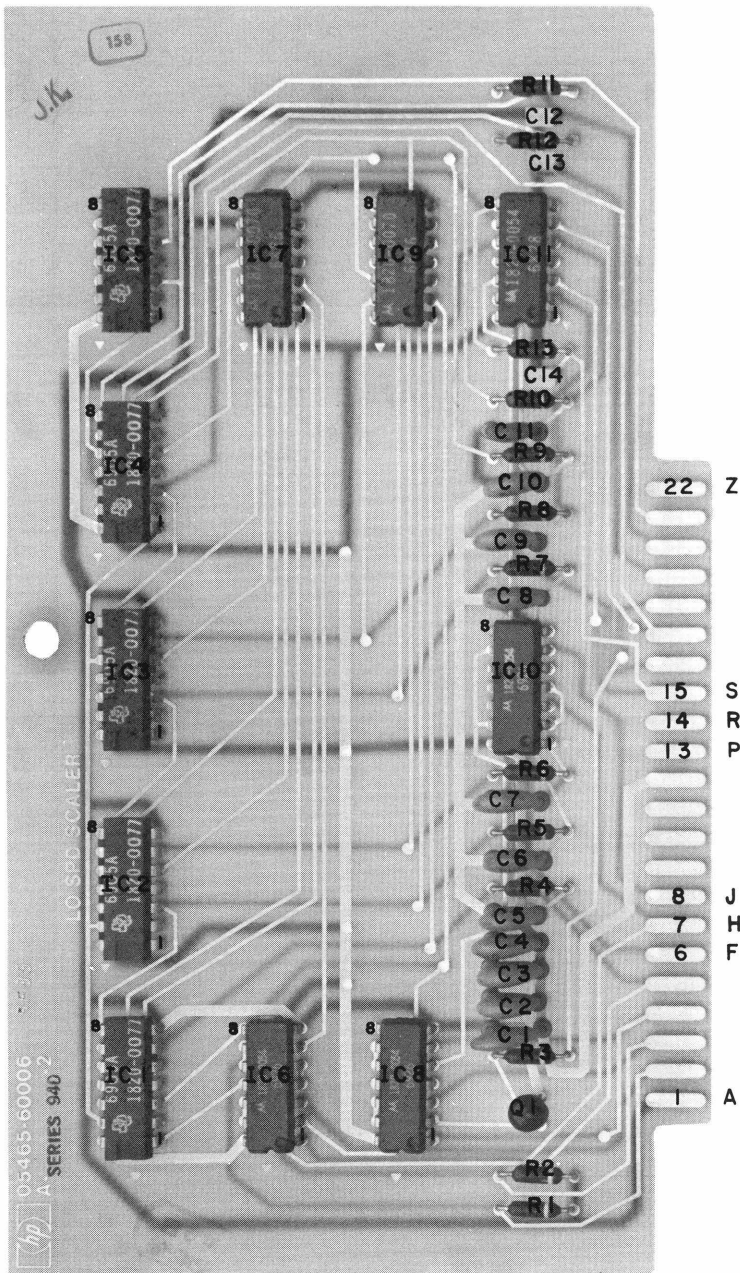


Figure 3-6
5465A A6 LOW SPEED ADC SCALER ASSY.
3-17

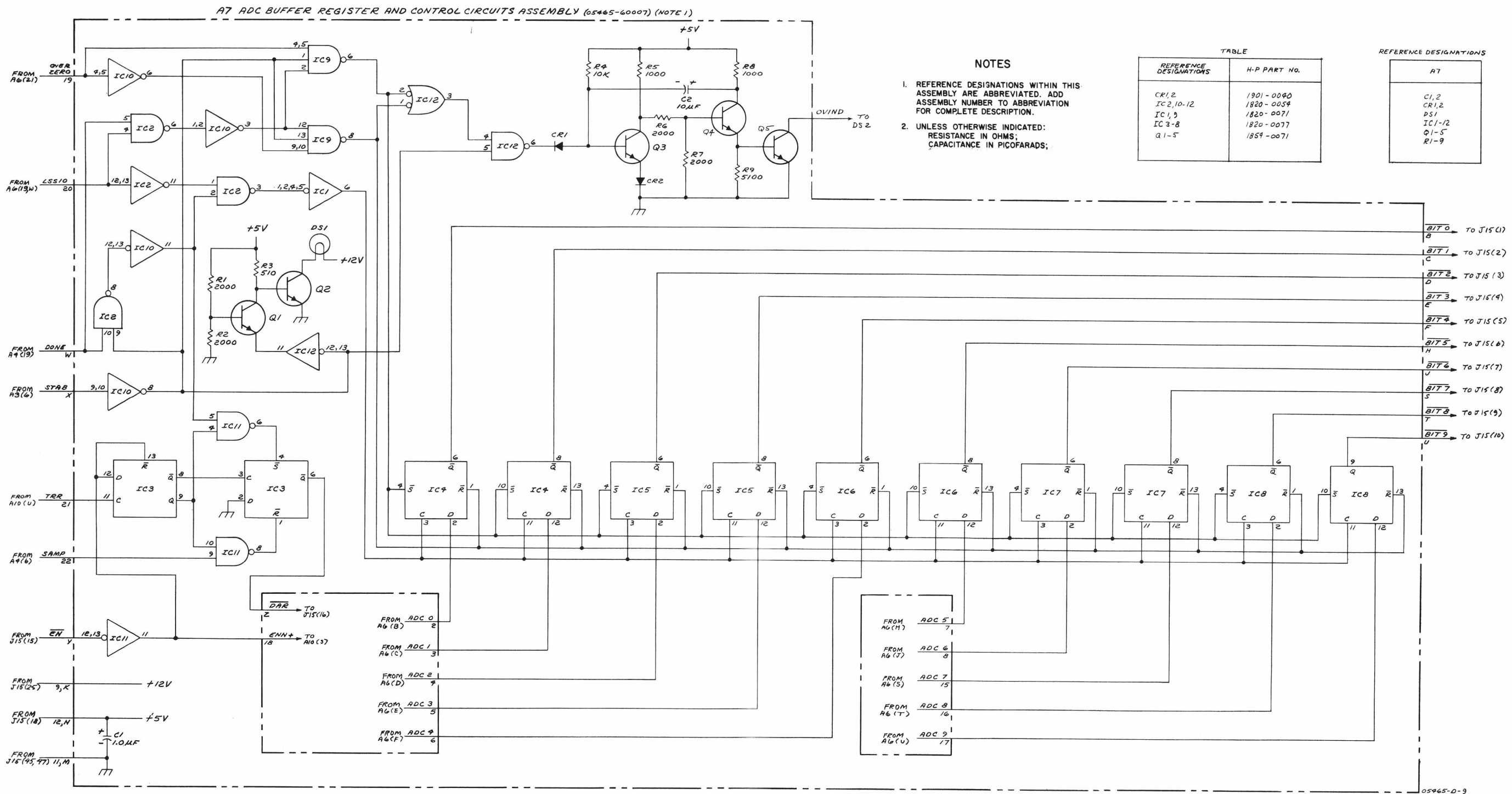
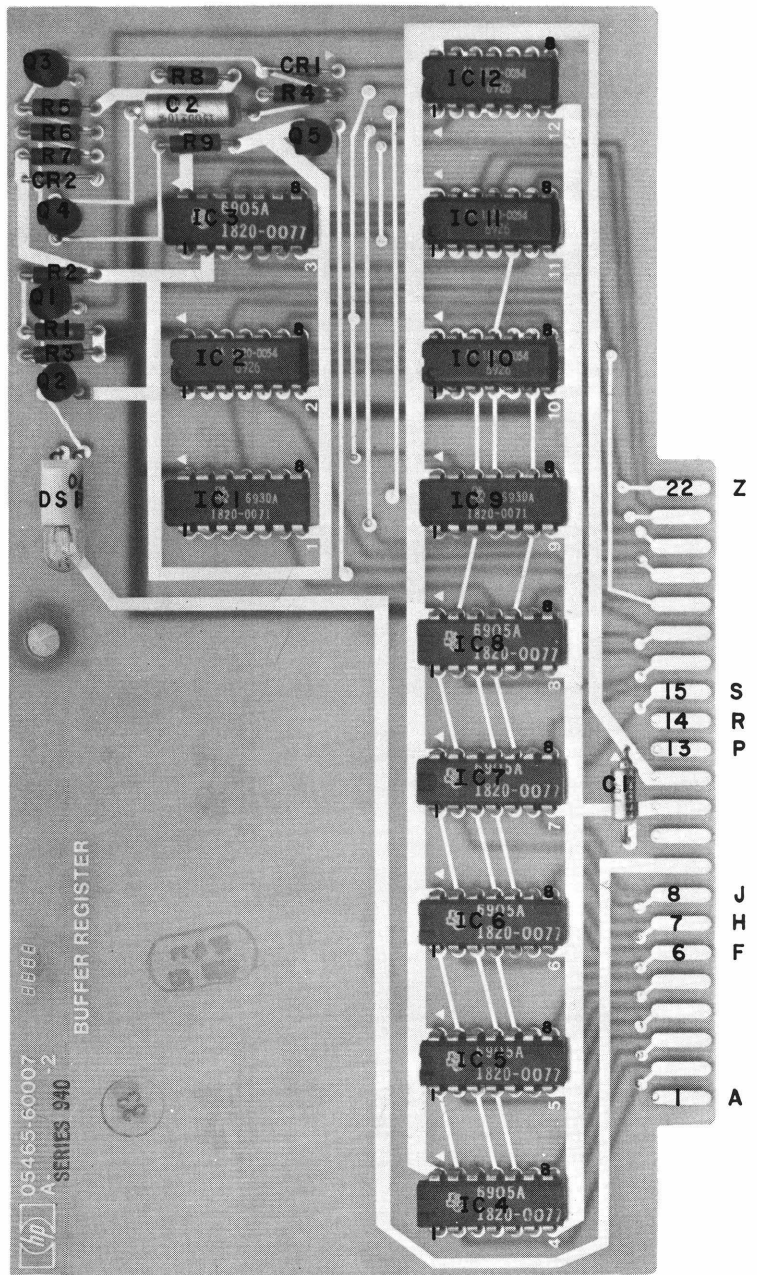
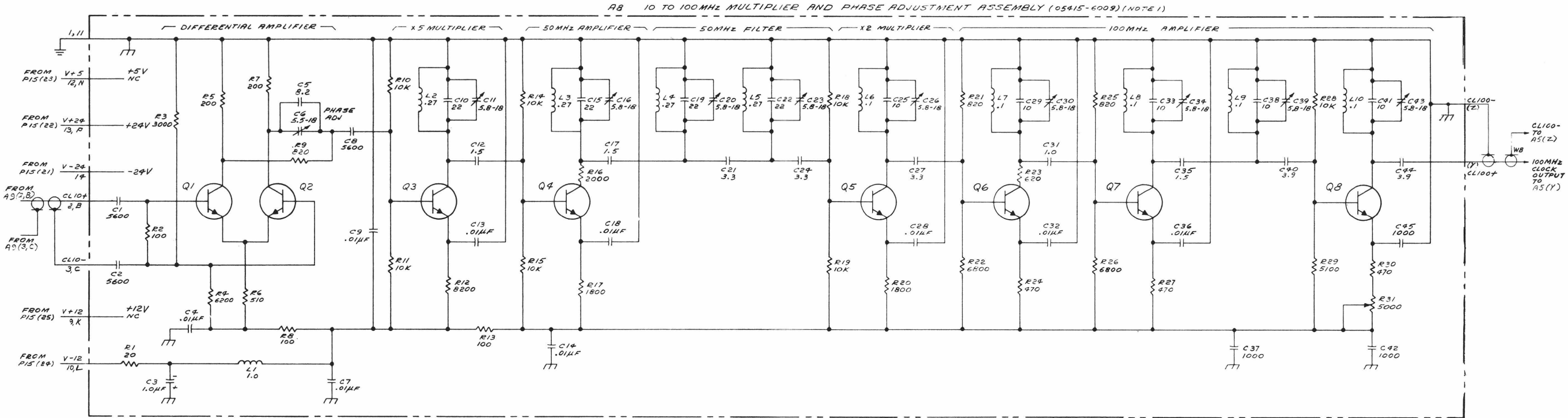
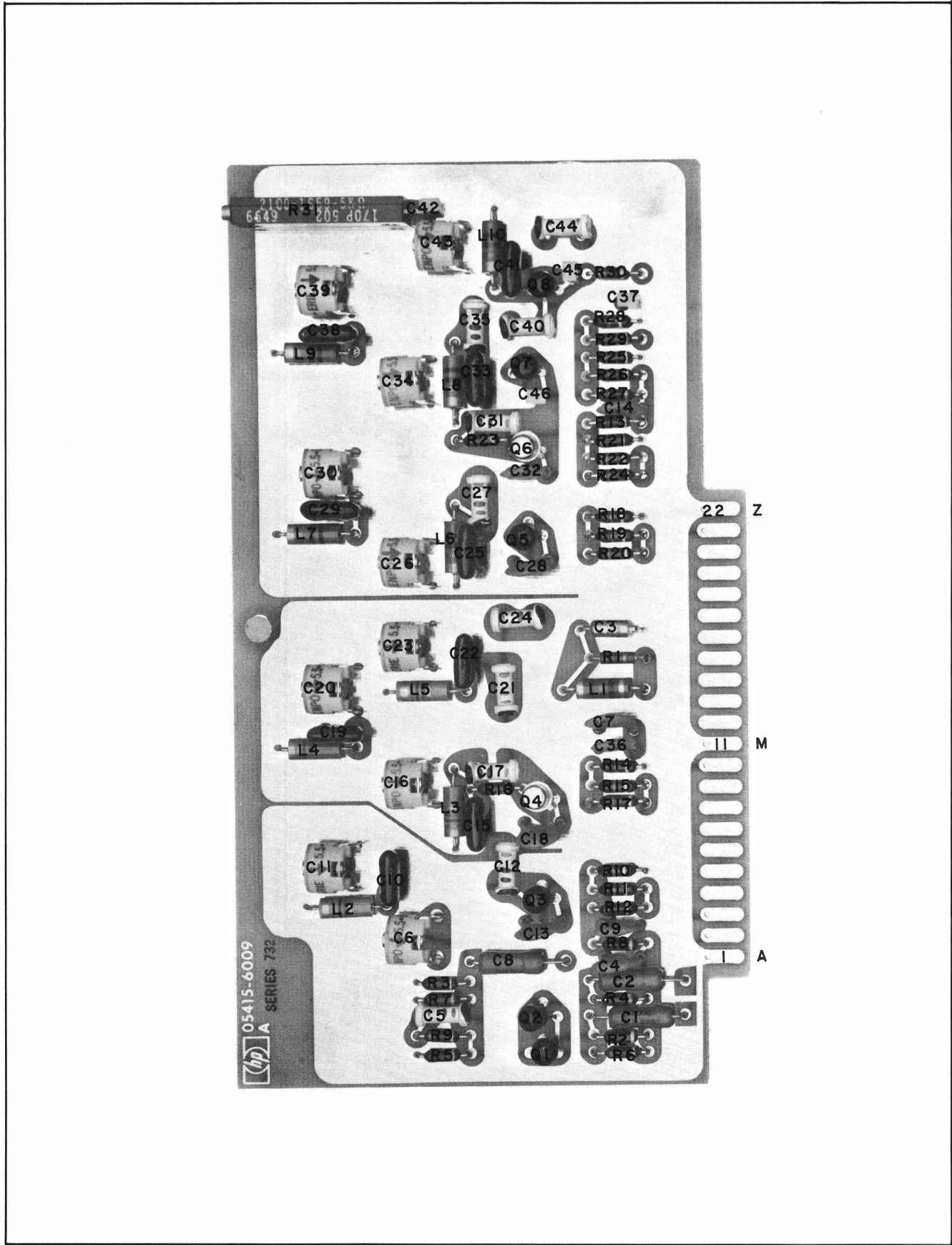


Figure 3-7
5465A A7 ADC BUFFER REGISTER
AND CONTROL CIRCUITS ASSY.
3-19



NOTES

- REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
- UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

TABLE

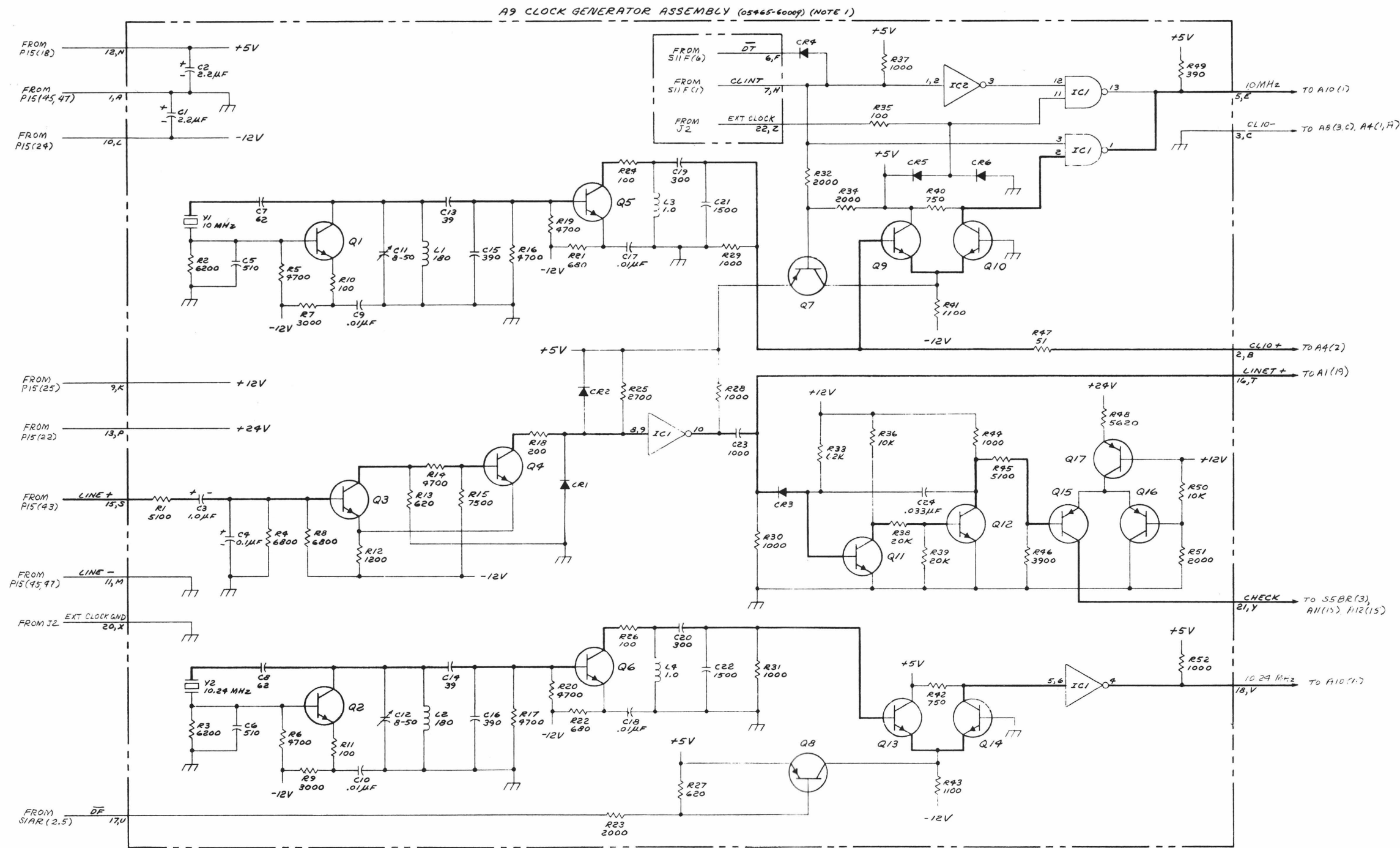
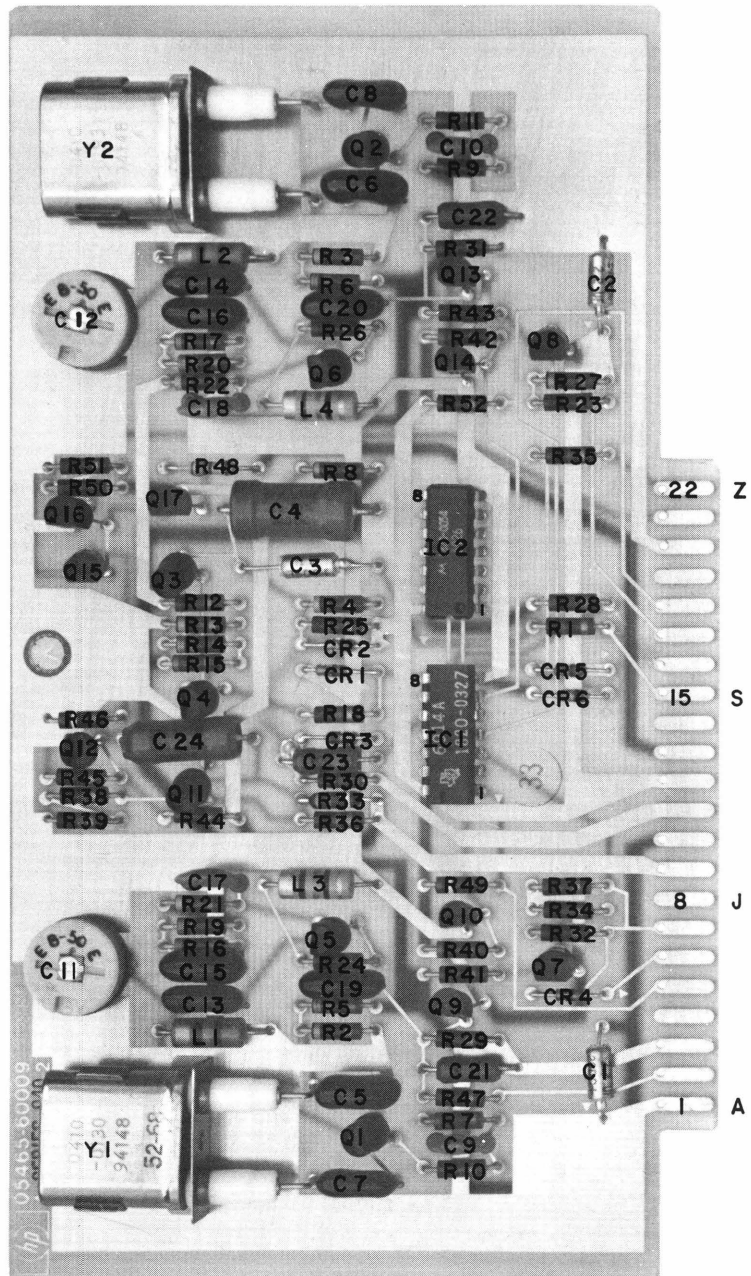
REFERENCE DESIGNATIONS	H-P PART NO.
Q1, 6	1854-0019
Q1-3, 5, 7, 8	1854-0092
	2N3563

REFERENCE DESIGNATIONS

NO PREFIX	A8
	C1-45
	L1-10
	Q1-8
	R1-31

05465-D-10

Figure 3-8
5465A A8 10 TO 100MHz MULTIPLIER AND PHASE
ADJUSTMENT BOARD ASSY.



- NOTES
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

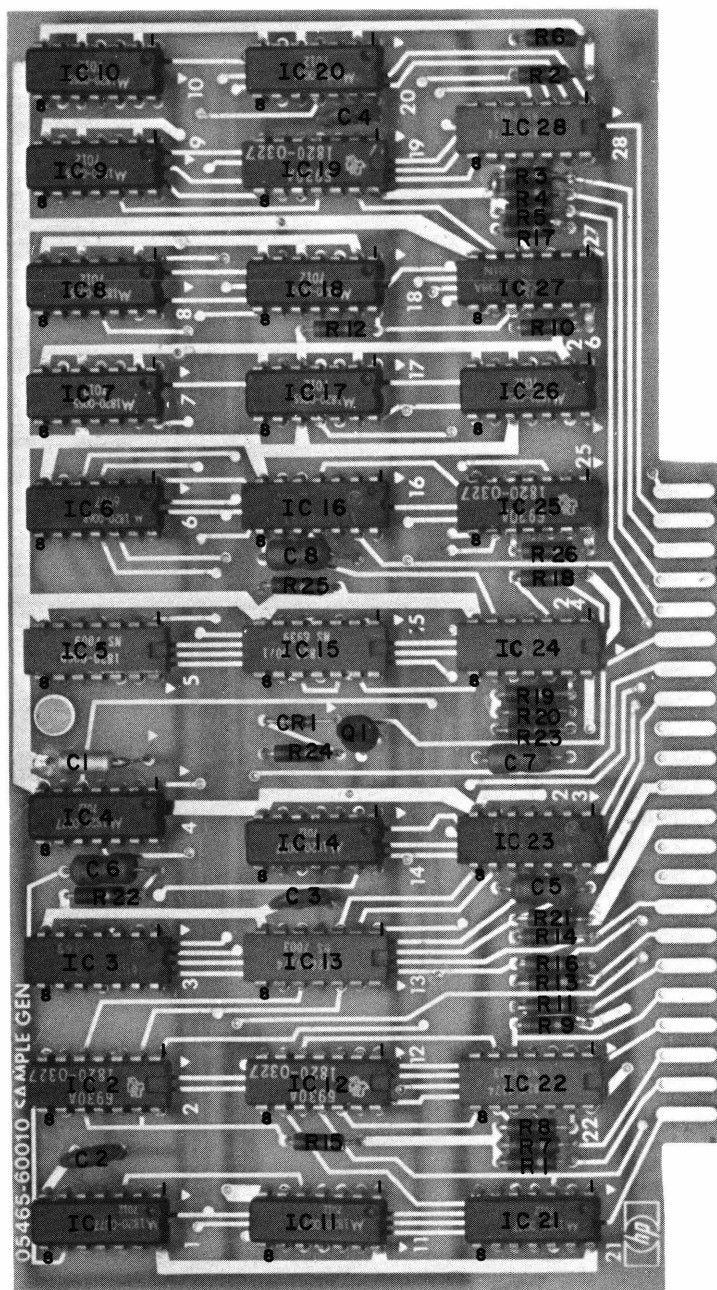
TABLE	
REFERENCE DESIGNATIONS	H.P. PART NO.
CR1-6	1901-0040
IC2	1820-0054
IC1	1820-0327
Q1-8, 15-17	1853-0020
Q1-6, 11, 12	1854-0071
Q3, 10, 13, 14	1854-0034
	2N3646

REFERENCE DESIGNATIONS	
A9	
C1-24	
CR1-6	
IC1, 2	
L1-4	
Q1-17	
R1-52	
Y1, 2	

05465-D-11

Figure 3-9
5465A A9 CLOCK GENERATOR ASSY.

p/o Figure 3-10. Component Locator (Cont'd)



- NOTES
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;

REFERENCE DESIGNATIONS

A10
C1-8
CR-1
IC1-3
Q1
R1-26

TABLE

REFERENCE DESIGNATIONS	H-P PART NO.
CR1,2,6	1901 - 0156
CR5	1902 - 0071
CR3,4	1902 - 3104
IC6,7	1820 - 0054
IC4	1820 - 0071
IC5	1820 - 0201
IC8	1820 - 0327
Q9	1853 - 0015
	2N3640
Q2	1853 - 0020
Q1	1853 - 0027
Q7	1854 - 0020
	2N1701
Q3	1854 - 0071
Q4-6,8	1854 - 0092
Q10	1855 - 0020

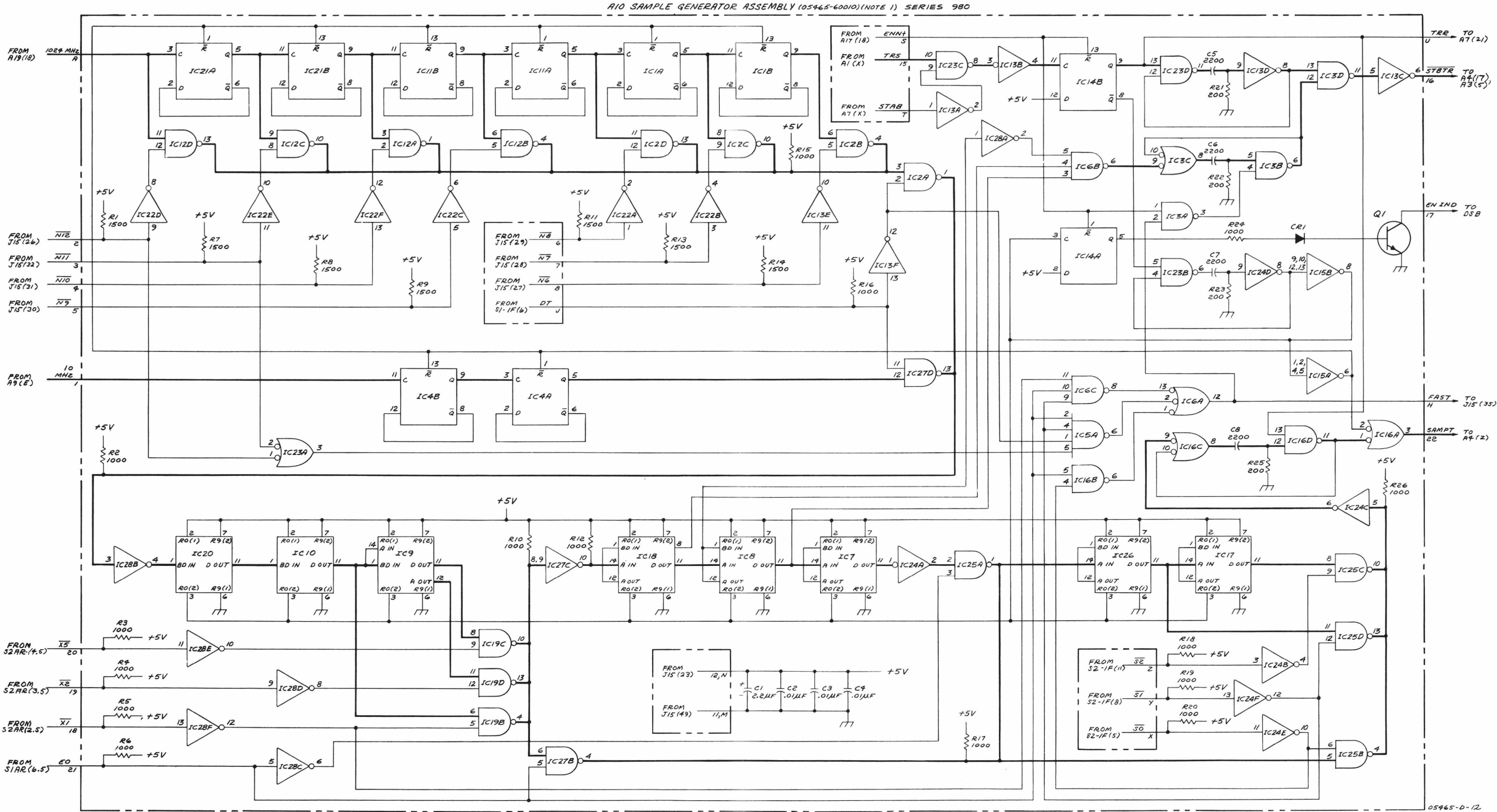
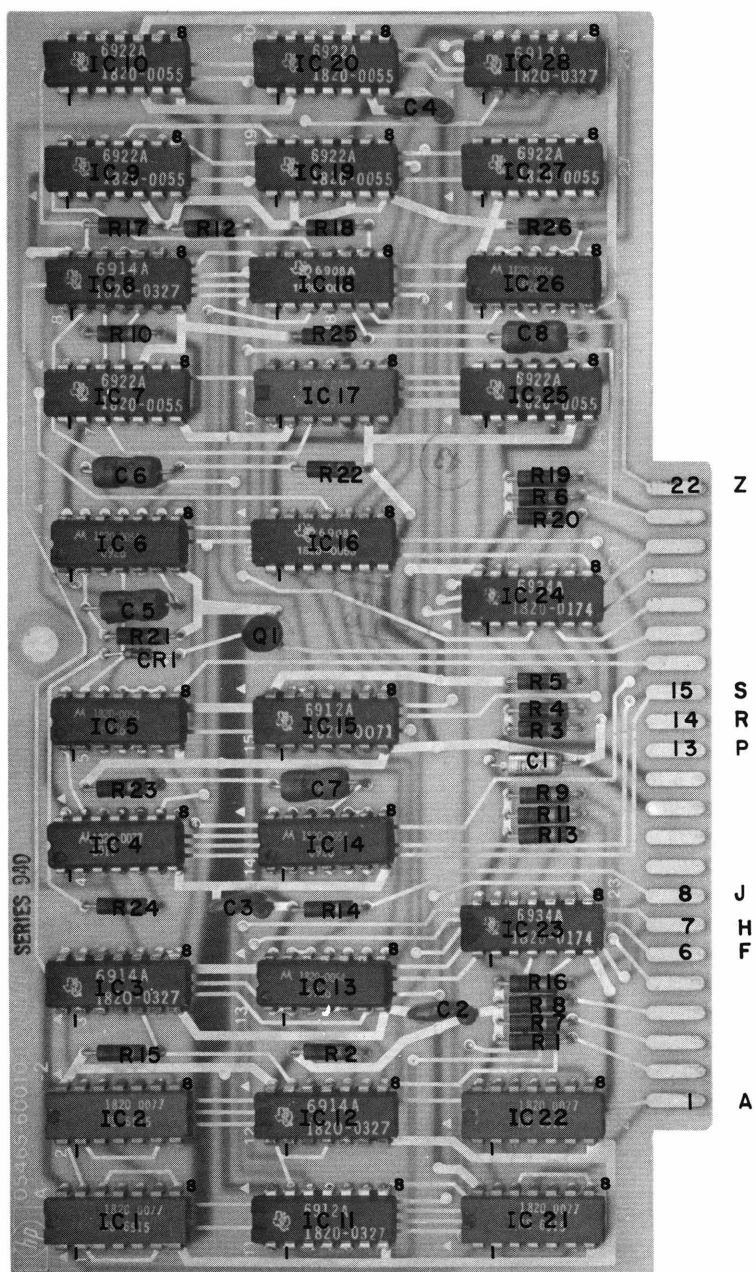


Figure 3-10
5465A A10 SAMPLE GENERATOR ASSY. (SERIES 980)
3-25

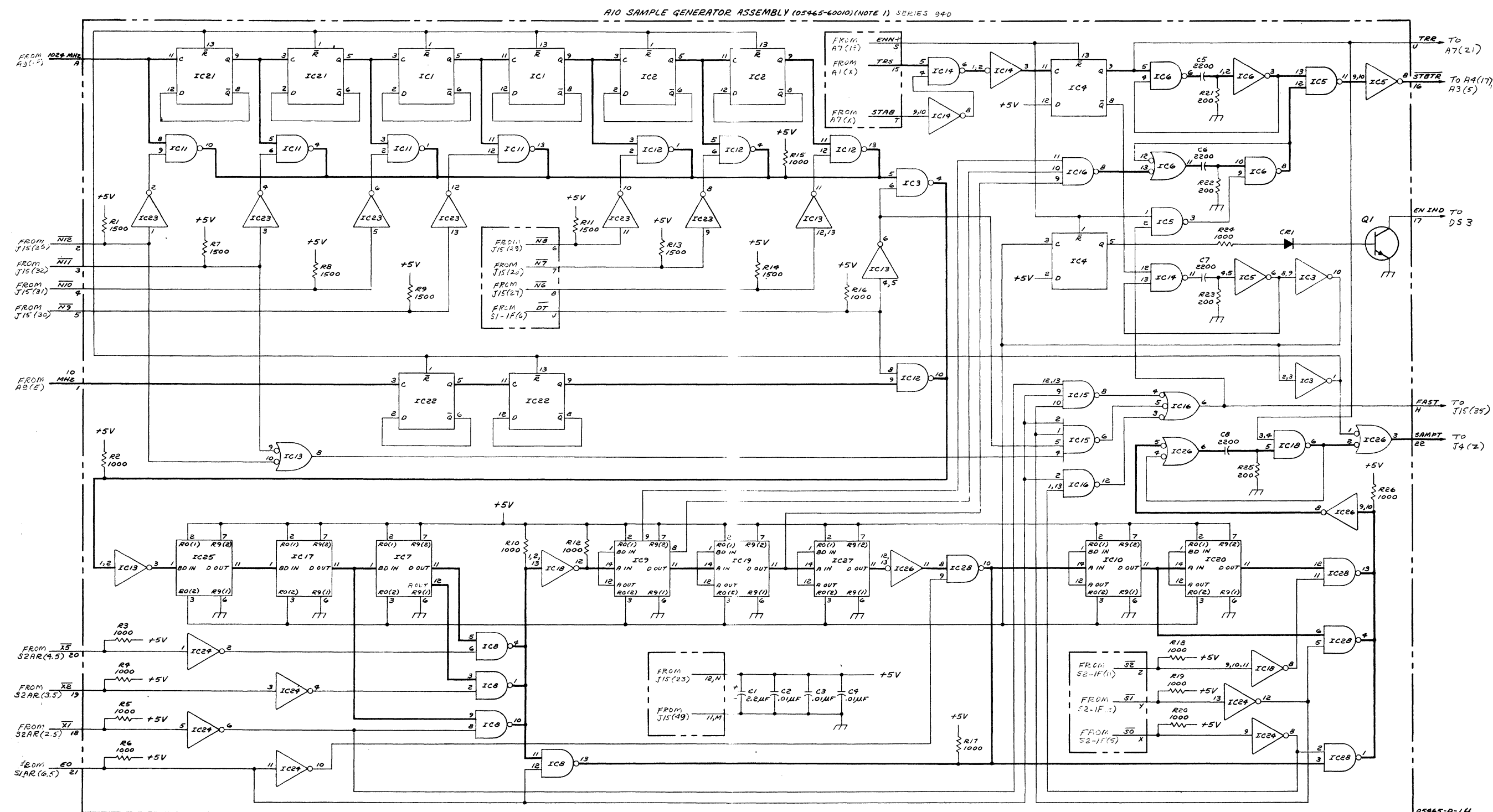
p/o Figure 3-11. Component Locator (Cont'd)



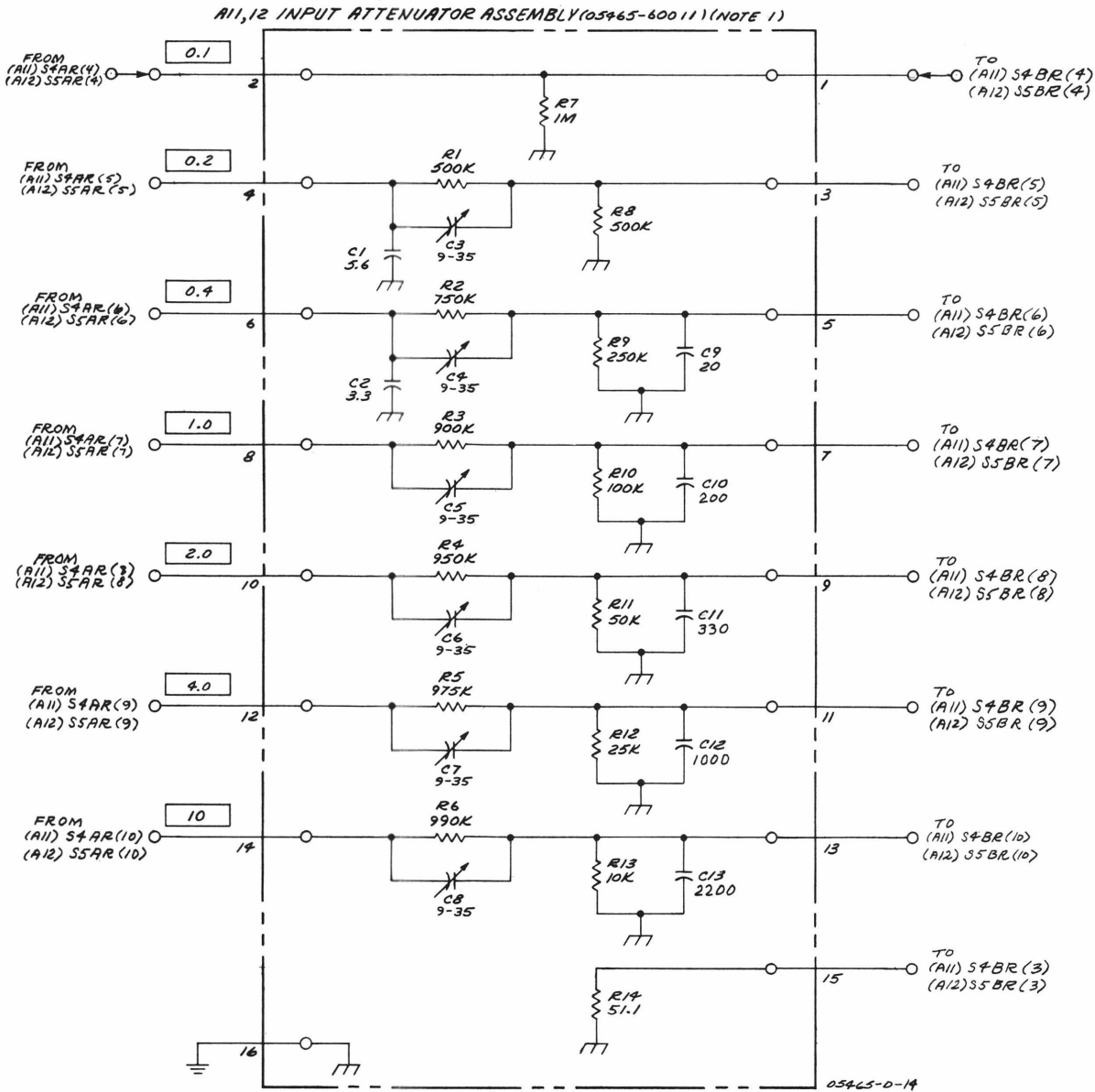
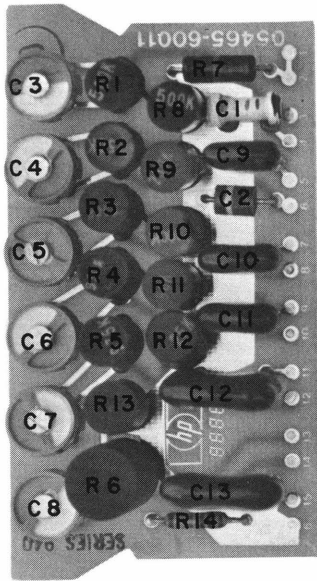
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES
3. ASTERISK (*) INDICATES SELECTED COMPONENT, AVERAGE VALUES SHOWN

REFERENCE DESIGNATIONS	H-P PART NO.
CR1	1901 - 0040
IC5, 6, 13, 14, 26	1820 - 0054
IC7, 9, 10, 17, 19, 26, 25, 27	1820 - 0053
IC16, 18	1820 - 0068
IC 15	1820 - 0071
IC1, 2, 4, 21, 22	1820 - 0077
IC 23, 24	1820 - 0174
IC3, 8, 11, 12, 28	1820 - 0327
Q1	1854 - 0071

NO PREFIX	A/O
	CI-8 RI-26 IC1-28 Q1 CR1



5465A A10 SAMPLE GENERATOR ASSY. (SERIES 940)



NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED: RESISTANCE IN OHMS; CAPACITANCE IN PICOFARADS;

REFERENCE DESIGNATIONS

NO. PREFIX	A11, A12
	C1-13
	R1-14
S3, 4	

Figure 3-12
5465A A11 OR A12 INPUT ATTENUATOR ASSY.

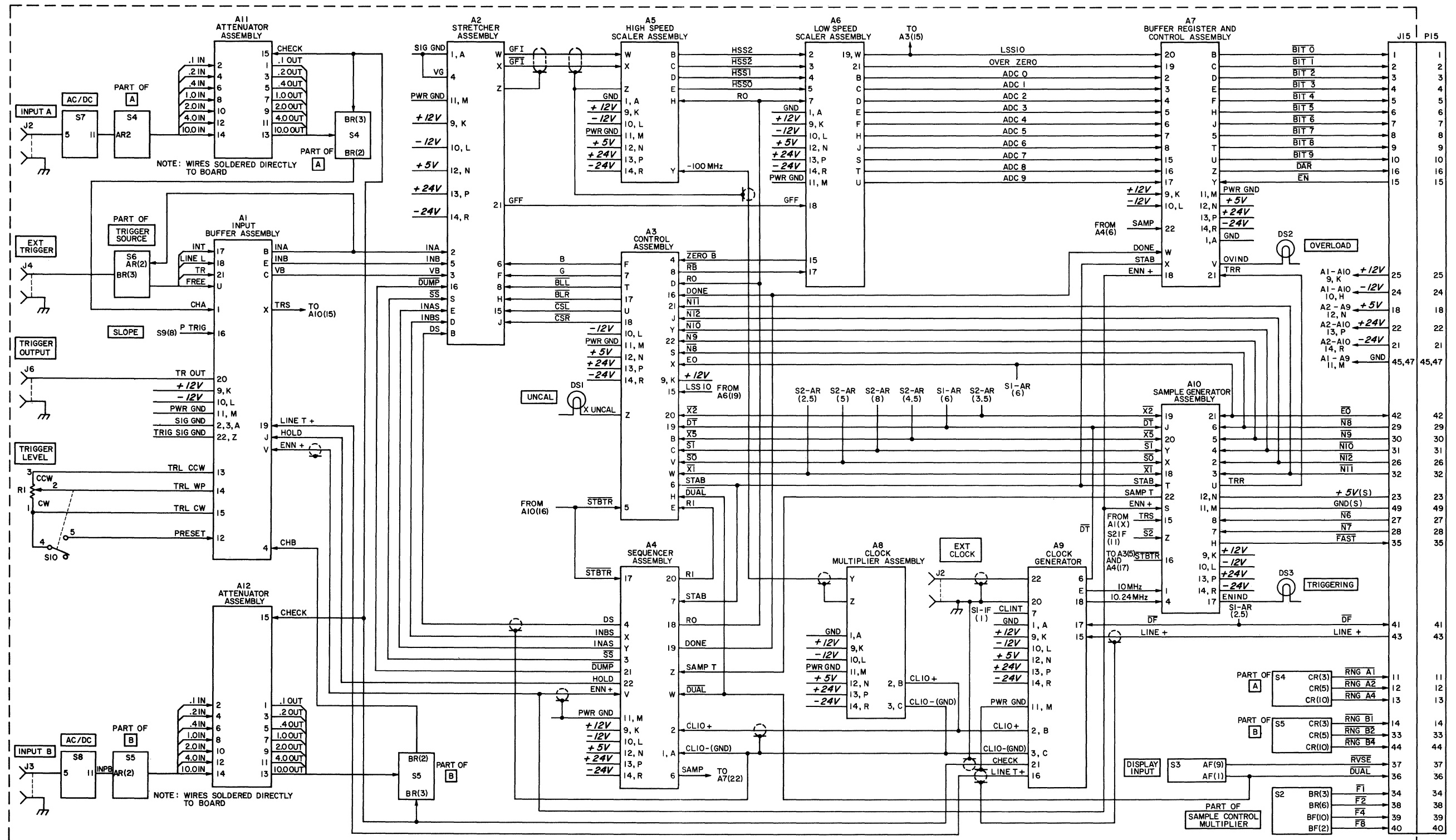


Figure 3-13
5465A ADC WIRING DIAGRAM

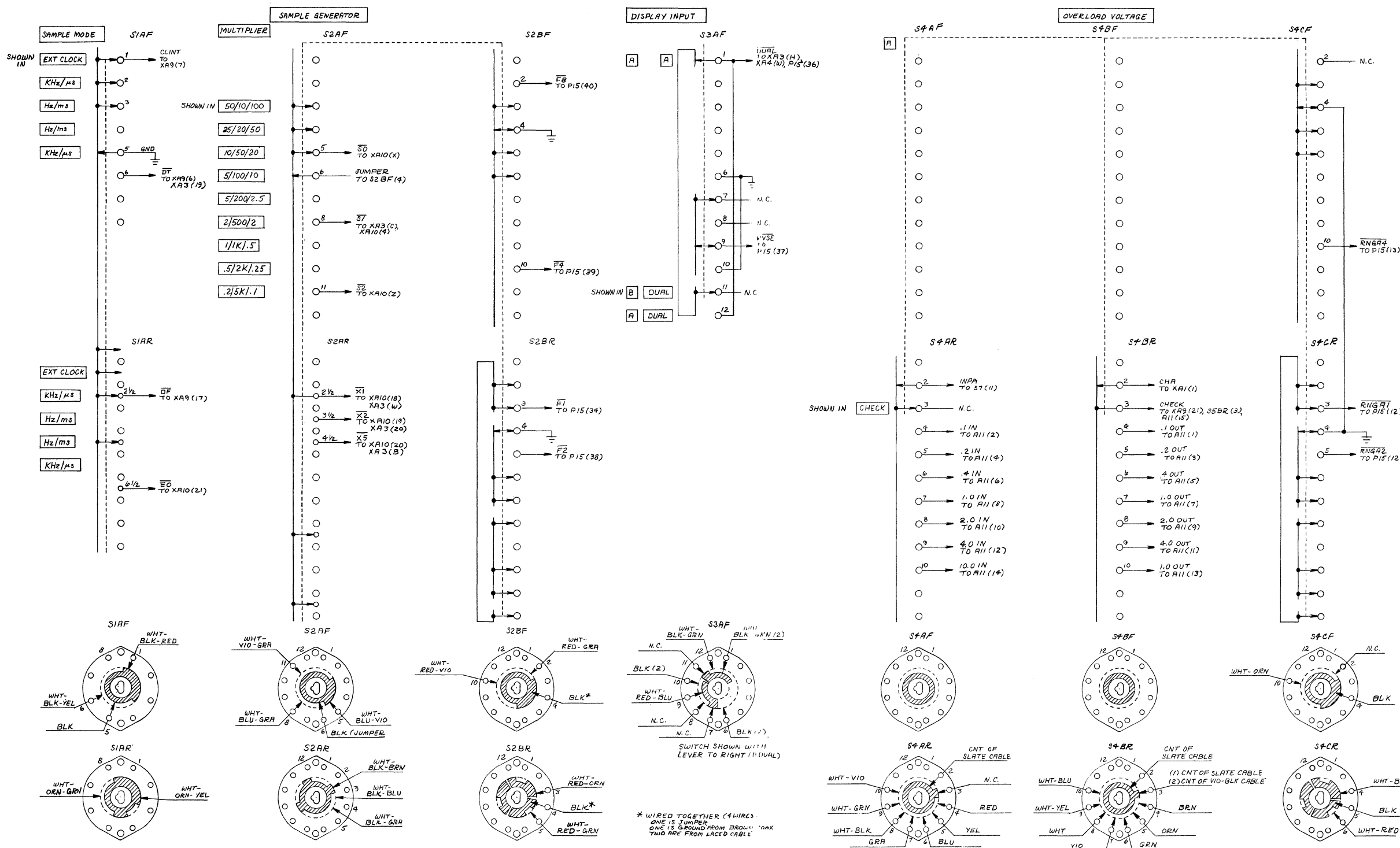


Figure 3-14
5465A SWITCH ASSEMBLIES
(Sheet 1 of 3)
3-33

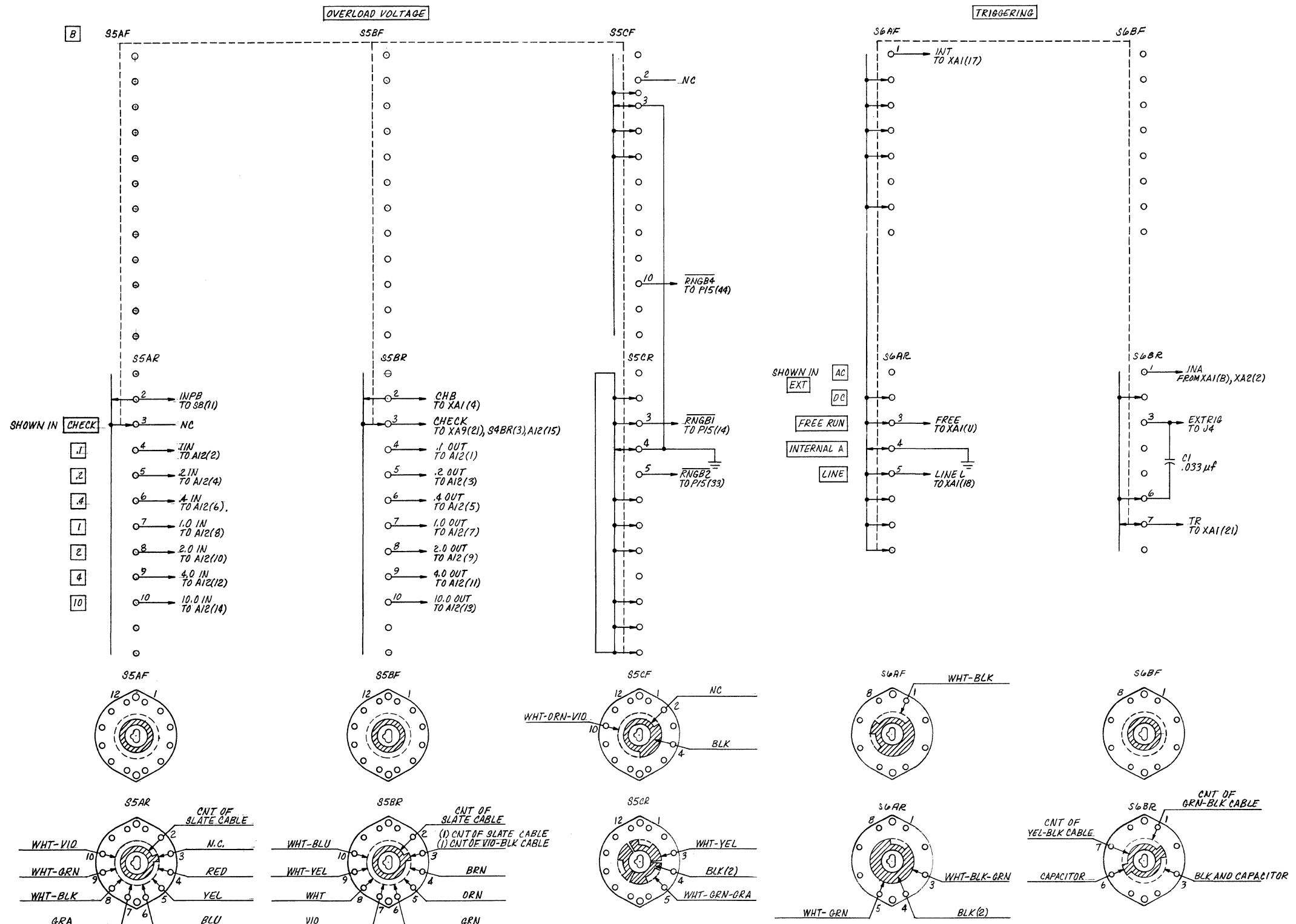
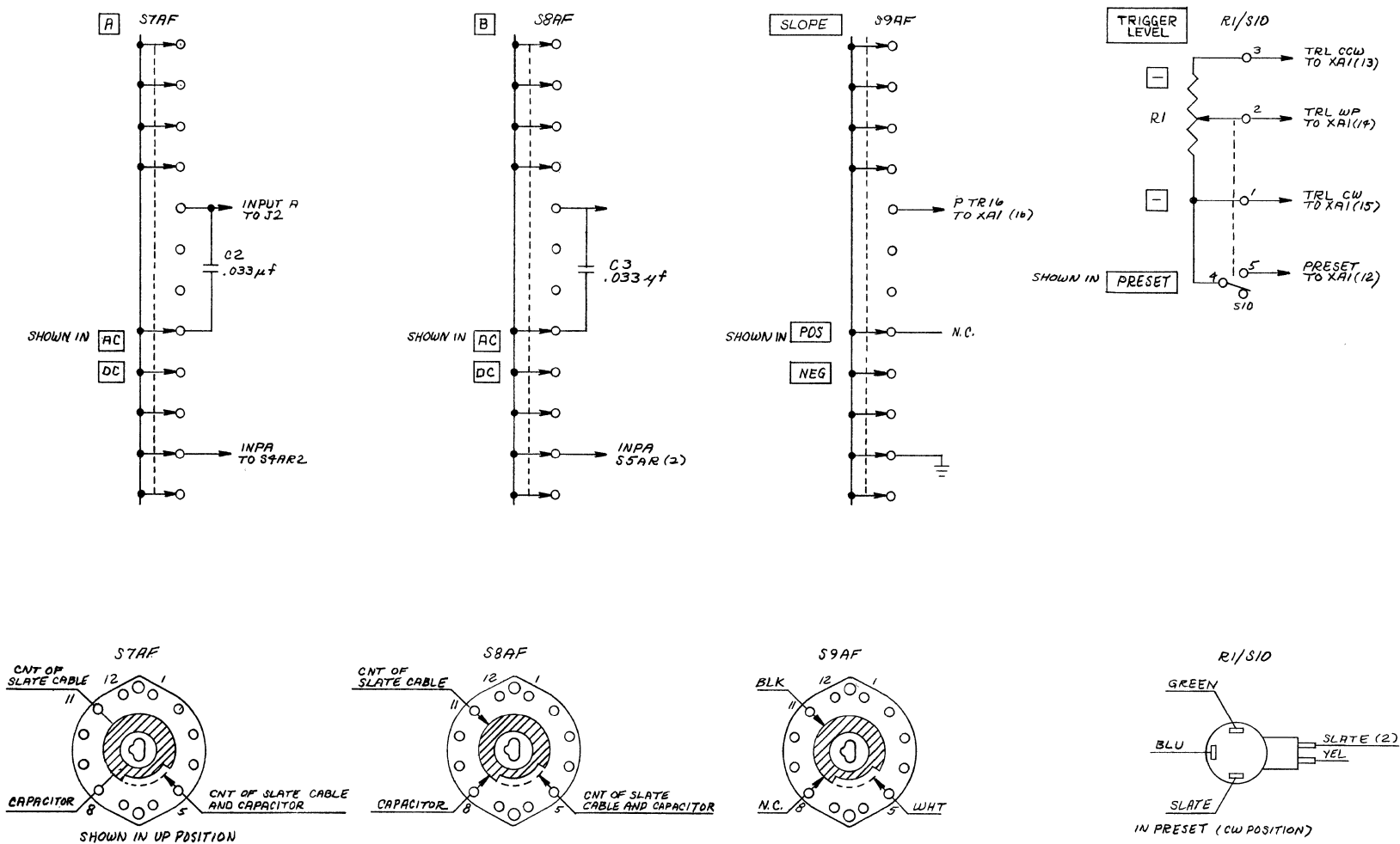


Figure 3-14

5465A SWITCH ASSEMBLIES

(Sheet 2 of 3)

3-35



05450-D-9

Figure 3-14
5465A SWITCH ASSEMBLIES
(Sheet 3 of 3)
3-37

SECTION IV

HP5475A CONTROL UNIT

4.1 INTRODUCTION

This section contains schematics, component locators, wiring, and change data for both options (001 and 002) of the HP5475A Control Unit. The option 001 (5450A System) is covered first and then the differences for the option 002 (5452A System). For a description of the differences and theory of operation, maintenance, and troubleshooting procedures, refer to the System Service Manual. In addition, figure 4-17 provides theory of operation, schematic and component locator for the Static Interface Card used to interface the Control Unit with the computer in the HP5452 Fourier Analyzer System.

4.2 CHANGE DATA

The change data provides back dating information to adapt this section to older 5475A Control Units.

4.2.1 Current Instruments

This section applies directly to Model 5475A Control Units having serial prefix 1048-.

4.2.2 Older Instruments

Back dating information to make this section applicable to older 5475A Control Unit is contained in Table 4-1.

Table 4-1. 5475A Change Data

SERIAL PREFIX NO.		MAKE MANUAL CHANGES																									
976		5																									
960		5,4																									
956		5,4,3																									
944		5,4,3,2																									
928		5,4,3,2,1																									
Change 1: Improve operation of 5475A in 5450A systems using 2116B computers. To enable use with computers having 16K memory. On A16 board (05475-60004) change series number from 928 to 944. a.) Change pin 13 of IC8 to connect to pin 11 instead of pin 2. On A17 board (05475-60007) change series number from 944 to 928. <table> <tr> <td>ADD:</td><td>R1,3,5,7,9,11, 13,15,17,19,21, 23</td><td>R. F. 1.3K</td><td>0683-1325 12 ea.</td></tr> <tr> <td></td><td>R2,4,6,8,10,12, 14,16,18,20,22, 24</td><td>R. F. 2K</td><td>0683-2025 12 ea.</td></tr> <tr> <td>DELETE:</td><td>R1,3,5,7,9,11, 13,15,17,19,21, 23</td><td>R. F. 270 5% .250W</td><td>0683-2715 12 ea.</td></tr> <tr> <td></td><td>R2,4,6,8,10,12, 14,16,18,20,22, 24</td><td>R. F. 56K 5% .250W</td><td>0683-5605 12 ea.</td></tr> </table> Change 2: Improve operation of 5450A Systems using 2754B Teleprinters. <table> <tr> <td>ADD:</td><td>A14 Board (05475-60001)</td><td></td><td></td></tr> <tr> <td>DELETE:</td><td>A14 Board (05475-60011)</td><td></td><td></td></tr> </table>				ADD:	R1,3,5,7,9,11, 13,15,17,19,21, 23	R. F. 1.3K	0683-1325 12 ea.		R2,4,6,8,10,12, 14,16,18,20,22, 24	R. F. 2K	0683-2025 12 ea.	DELETE:	R1,3,5,7,9,11, 13,15,17,19,21, 23	R. F. 270 5% .250W	0683-2715 12 ea.		R2,4,6,8,10,12, 14,16,18,20,22, 24	R. F. 56K 5% .250W	0683-5605 12 ea.	ADD:	A14 Board (05475-60001)			DELETE:	A14 Board (05475-60011)		
ADD:	R1,3,5,7,9,11, 13,15,17,19,21, 23	R. F. 1.3K	0683-1325 12 ea.																								
	R2,4,6,8,10,12, 14,16,18,20,22, 24	R. F. 2K	0683-2025 12 ea.																								
DELETE:	R1,3,5,7,9,11, 13,15,17,19,21, 23	R. F. 270 5% .250W	0683-2715 12 ea.																								
	R2,4,6,8,10,12, 14,16,18,20,22, 24	R. F. 56K 5% .250W	0683-5605 12 ea.																								
ADD:	A14 Board (05475-60001)																										
DELETE:	A14 Board (05475-60011)																										

Table 4-1. 5475A Change Data (Continued)

Change 3: Makes the 5475A meet new IEC specifications.

ADD:		Clip-Comp	1400-0091	6 ea.
	J1	Connector	1251-0148	1 ea.
	DS2	Light Ind.	1450-0132	1 ea.
		Nameplate	7122-0097	1 ea.
	W1	Power Cord	8120-0078	1 ea.
		Pnl-Rear UPP	05475-00011	1 ea.
		Cov-Lft Pwr Sup.	05475-00013	1 ea.
		Cov-Rt Pwr Sup.	05475-00014	1 ea.
		Chas.	05580-0001	1 ea.
		Pnl-Rear	05580-0002	1 ea.
		Bkt. Mo Bd.	05580-0011	1 ea.
		Capacitor	0160-3043	1 ea.
DELETE:		Grommet	0400-0082	0.25
	J1	Connector	1251-2357	1 ea.
	DS2	Light Ind.	1450-0494	1 ea.
		Nut-Nylon	2950-0131	1 ea.
		Nameplate	7120-0004	1 ea.
	W1	Power Cord	8120-1348	1 ea.
		Panel-Rear	05475-00020	1 ea.
		Bkt-Mother Bd.	05475-00021	1 ea.
		Chas. Xfor.	05475-00022	1 ea.
		Bkt-Cover	05475-00023	1 ea.
		Cov-Lft Pwr Sup.	05475-00024	1 ea.
		Cov-Rt Pwr Sup.	05475-00025	1 ea.

On A15 board (05475-60006) changes series number from 960 to 928.

ADD:		R30 RF 820 Ω .25W	0683-8215	1 ea.
	C11	CF 33 μ f	0180-0229	1 ea.
	R14	RF 2.2K	0683-2225	1 ea.
	R31	RF 240 Ω	0683-2415	1 ea.
DELETE:		R30 RF 430 Ω .25W	0683-4315	1 ea.
	C11	CF 60 μ f	0180-0106	1 ea.
	R14	RF 12K	0683-1235	1 ea.
	R31	RF 470 Ω	0683-4715	1 ea.

On J13 and 14 Connector

DELETE: Wires from J14 (6, 24) to J13 (6, F) and J14 (8, 26) and J13 (8, J).

Change 4: Sets up two options for the 5475A. Option 001 is used with the 5450A System and Option 002 is used with the 5452A System. Both options are covered in the manual.

Change 5: Enables use of the 5450A System with computers having 32K Memory. Change board series number from 1048 to 944.

On A16 board (05475-60004)

DELETE: Connection between pins 5 and 13 of IC8.

ADD: Connection between pin 5 of IC8 and pin 11 of IC9.

Figure 4-1. (Cont'd)

Motherboard, Front

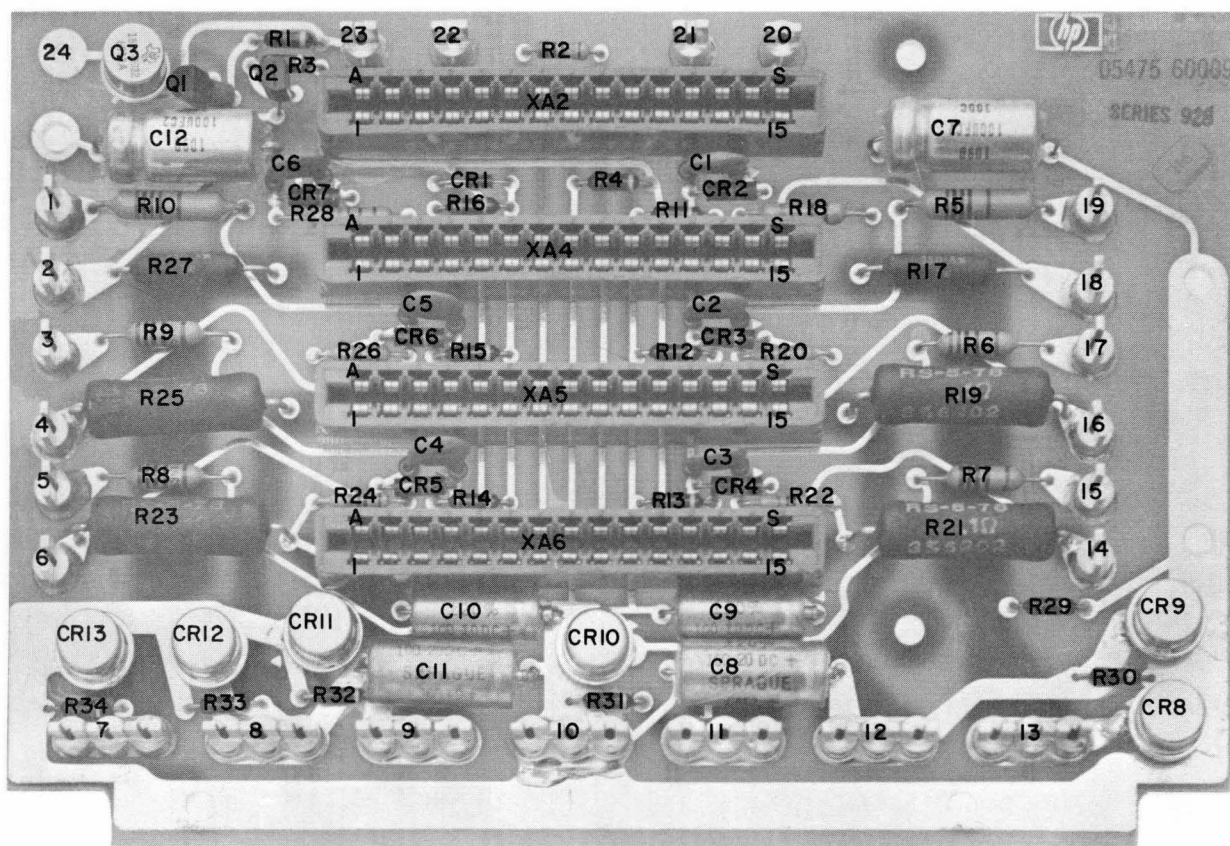


Figure 4-1. (Cont'd)

Motherboard, Rear

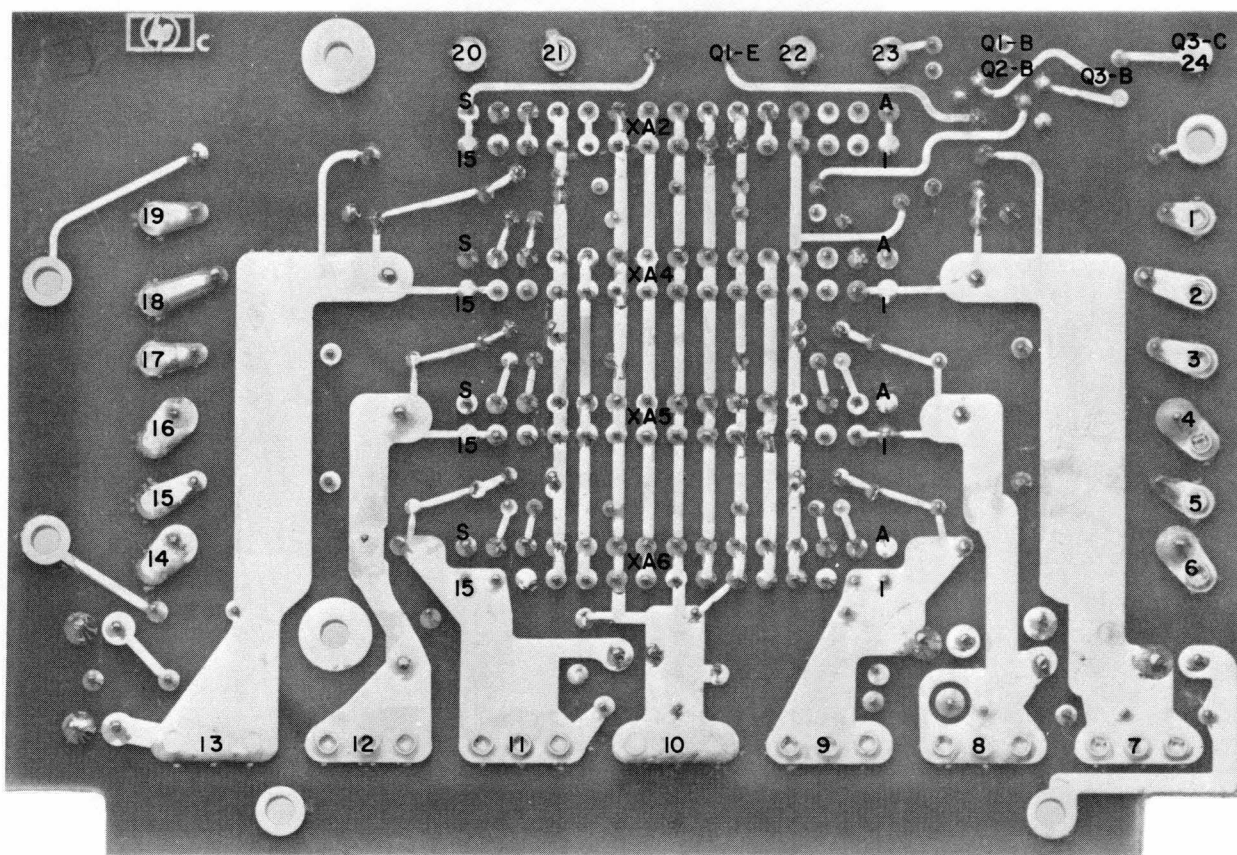
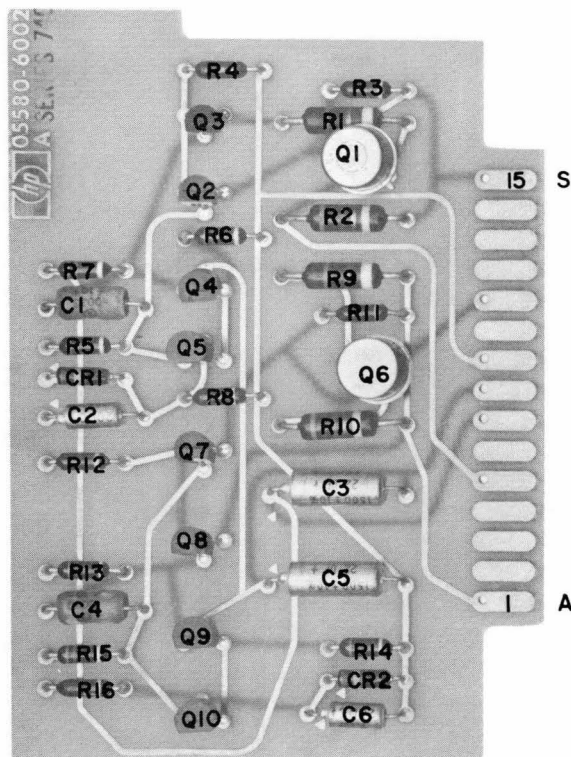


Figure 4-1. (Cont'd)

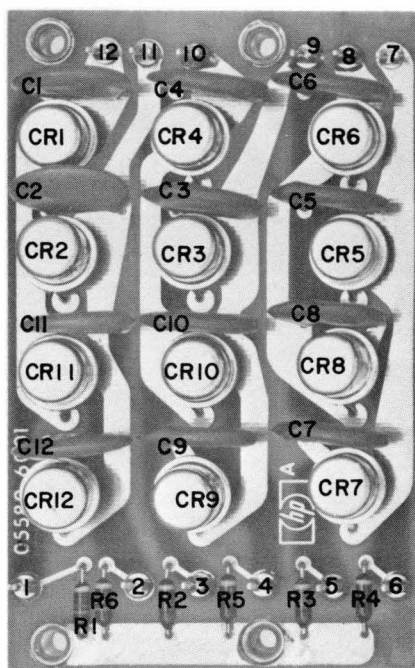
A2 Reference Board

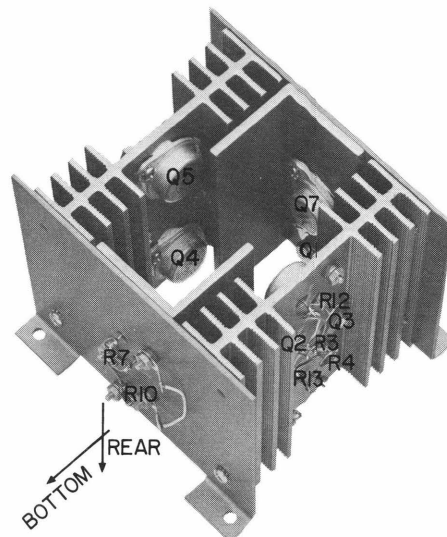
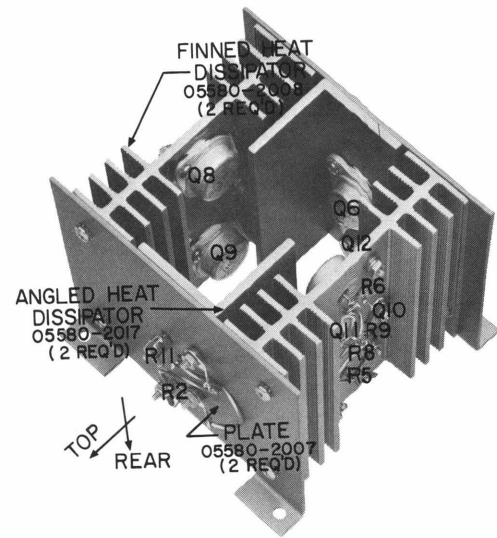


NOTES

SHOWN WITHOUT HEAT DISSIPATORS ON Q1 AND Q6
FOR CLARITY.

A1 Rectifier Board





REFERENCE DESIGNATIONS			
NO PREFIX	A1	A2	A3
B1			
C1-7	C1-12	C1-6	C1-12
	CR1-12	CR1, 2	CR1-13
DS1, 2			E1
F1, 2			
J1			
Q1-12		Q1-10	Q1-3
R1-13	R1-6	R1-16	R1-34
S1, 2			
T1			
W1			

NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES
3. VOLTAGE NOTATION AS FOLLOWS:
± NO LOAD/LOAD (SINGLE VOLTAGE APPLICABLE TO BOTH).

ACTIVE COMPONENTS

A1 05580-6001		A2 05580-6002		A3 05580-6009	
REFERENCE DESIGNATIONS	H-P PART NO.	REFERENCE DESIGNATIONS	H-P PART NO.	REFERENCE DESIGNATIONS	H-P PART NO.
CR1-12	1901-0416	CR1, 2	1902-0071	CR1	1901-0040
		Q7, 8	1853-0036	CR8-13	1901-0415
		Q1	1853-0051	CR4, 5	1902-0049
		Q6	1856-0039	CR3, 6	1902-3193
		Q4, 9, 10	1854-0071	CR2, 7	1902-3268
		Q2, 3	1854-0215	Q1, 2	1853-0036
				Q3	1854-0022

A1	A2	A3
REFERENCE DESIGNATIONS	REFERENCE DESIGNATIONS	REFERENCE DESIGNATIONS
C1-12 R1-6 CR1-12	C1-6 R1-6 Q1-10 CR1,2	C1-12 R1-34 XA2-6 Q1-3 CR1-13 E1

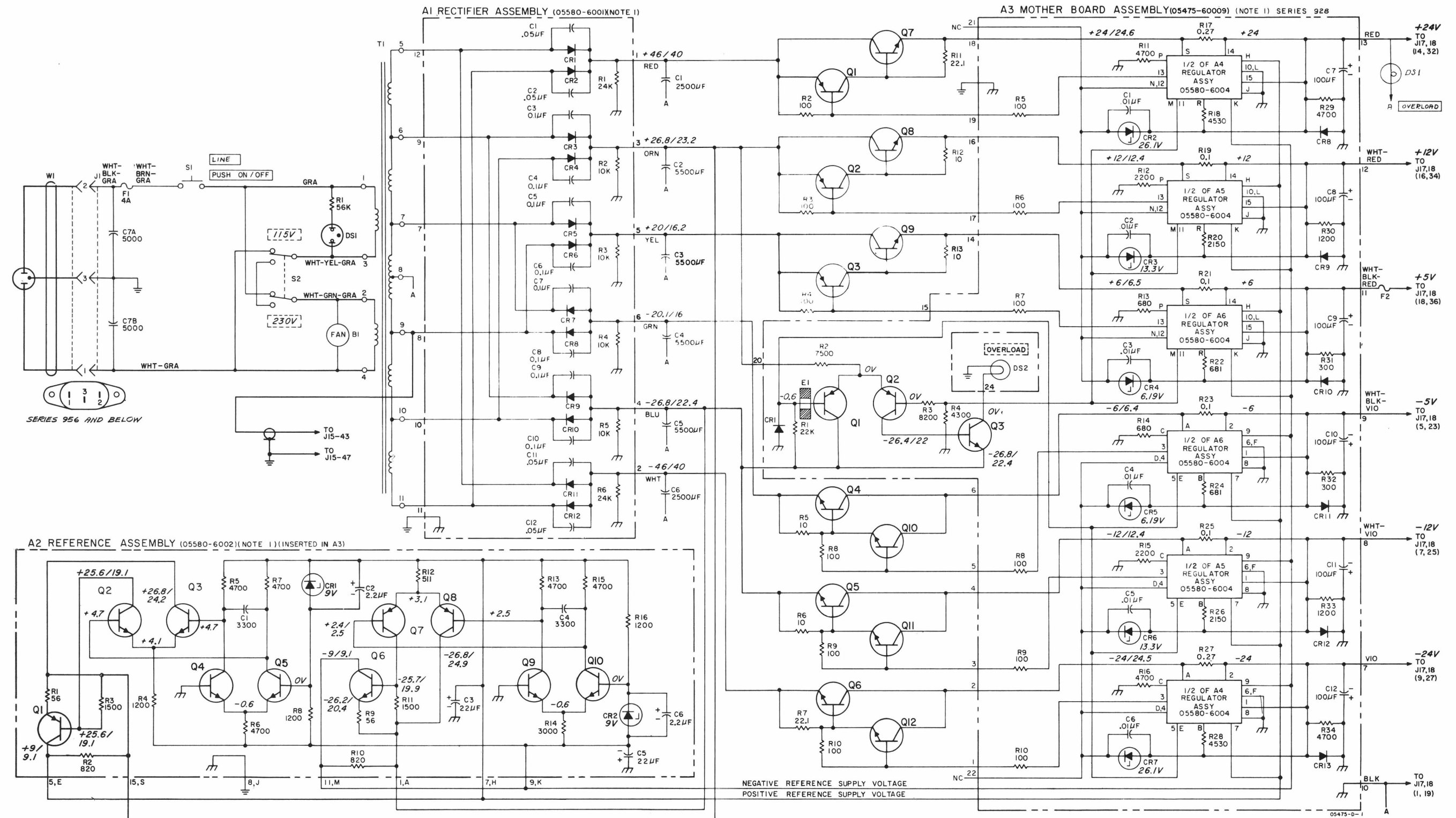
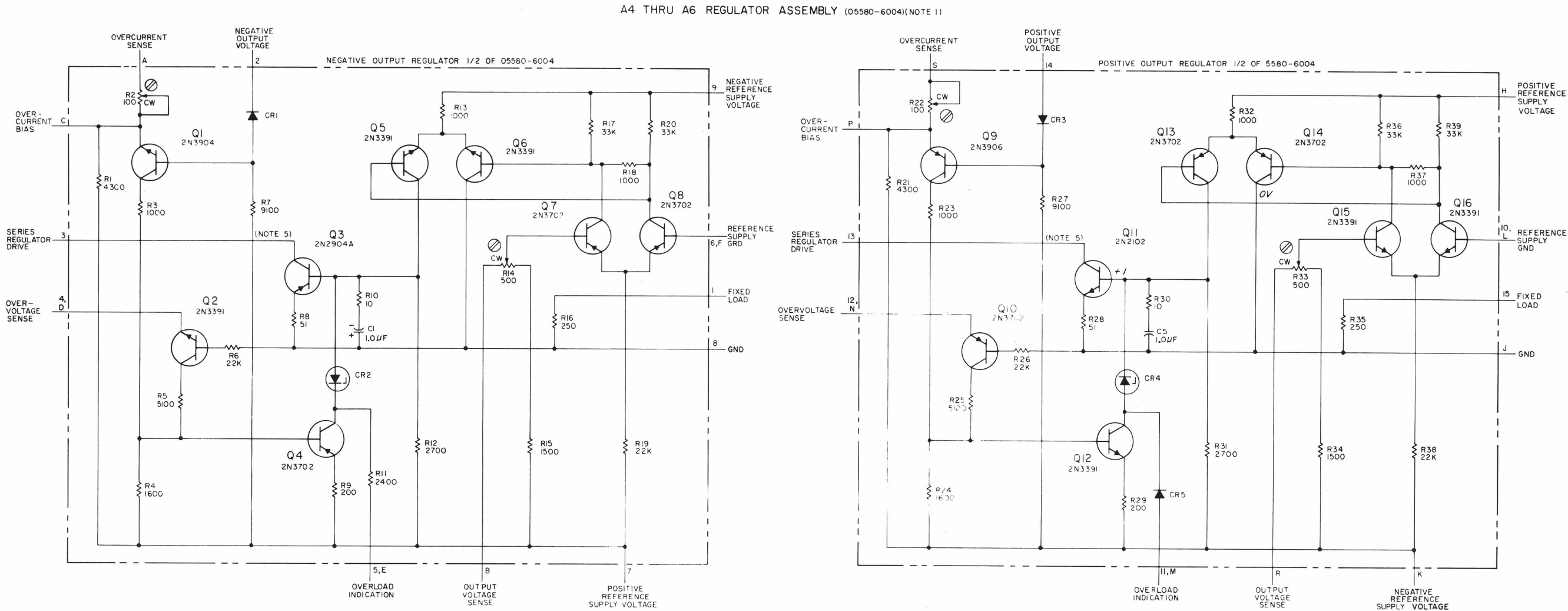
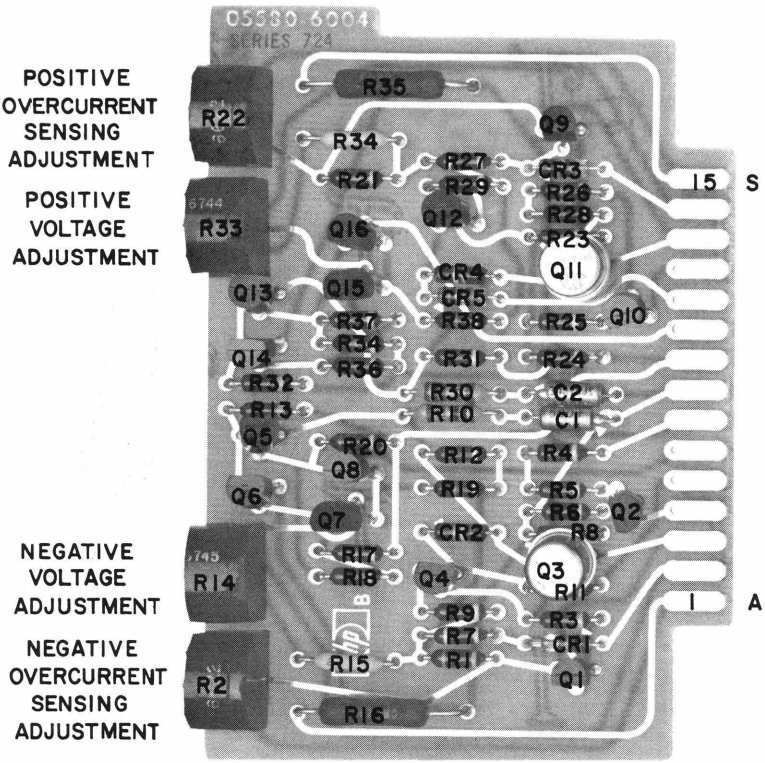


Figure 4-1

5475 A1-A3 RECTIFIER REFERENCE AND MOTHER BOARD ASSY. (OPTION 001 & 002)



NOTES

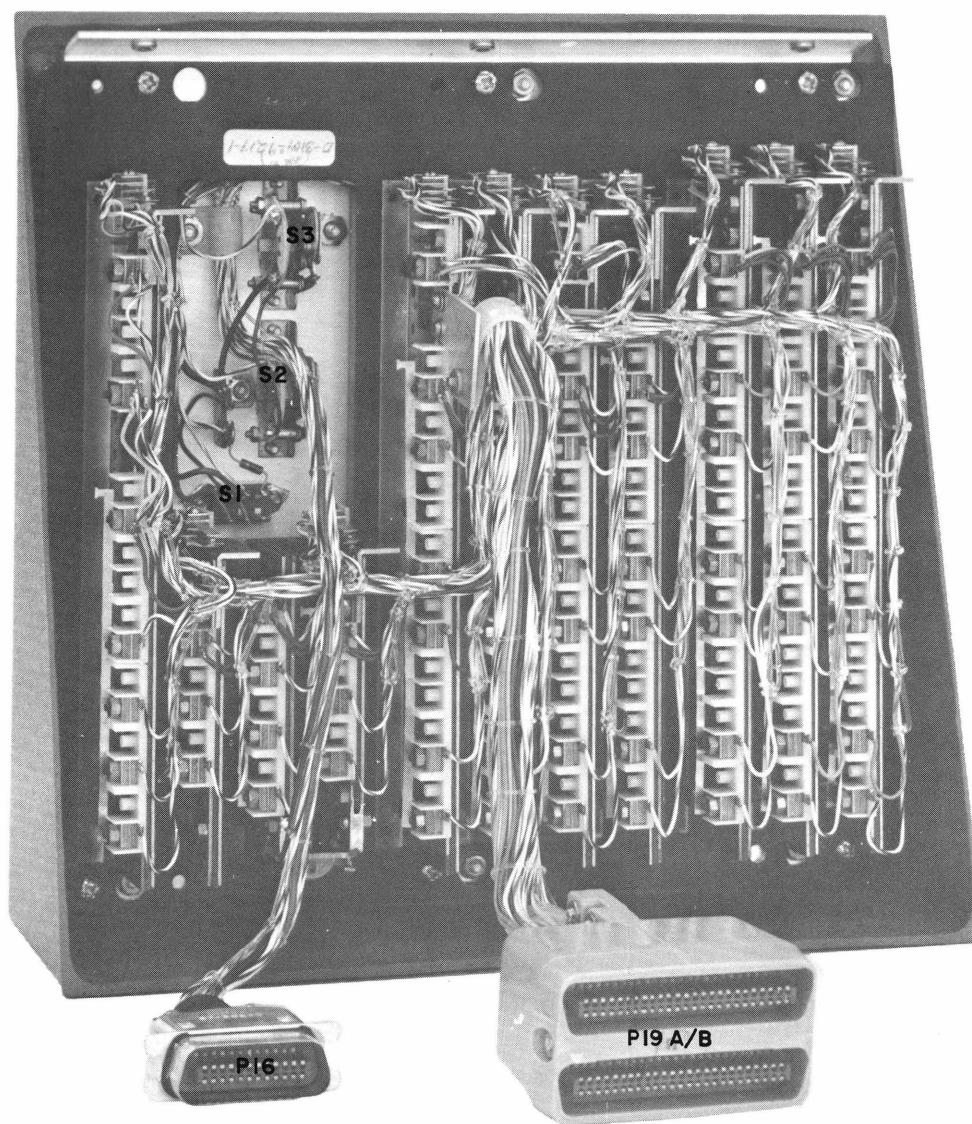
- REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
- UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;

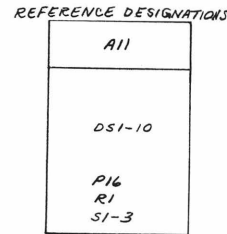
REFERENCE DESIGNATIONS	H-P PART NO.
CR1, 3.5	1901 - 0040
CR2, 4	1902 - 0043
Q3	1853 - 0012
Q4, 7, 8, 10, 12, 14	1853 - 0020
Q9	1853 - 0036
Q11	1854 - 0022
Q2, 5, 6, 12, 15, 16	1854 - 0071
Q1	1854 - 0215

REFERENCE DESIGNATIONS
A4 THRU A6
C1, 5
CR1-5
Q1-16
R1-39

Figure 4-2
5475A A4, A5, OR A6 REGULATOR ASSY.
(OPTION 001 & 002)

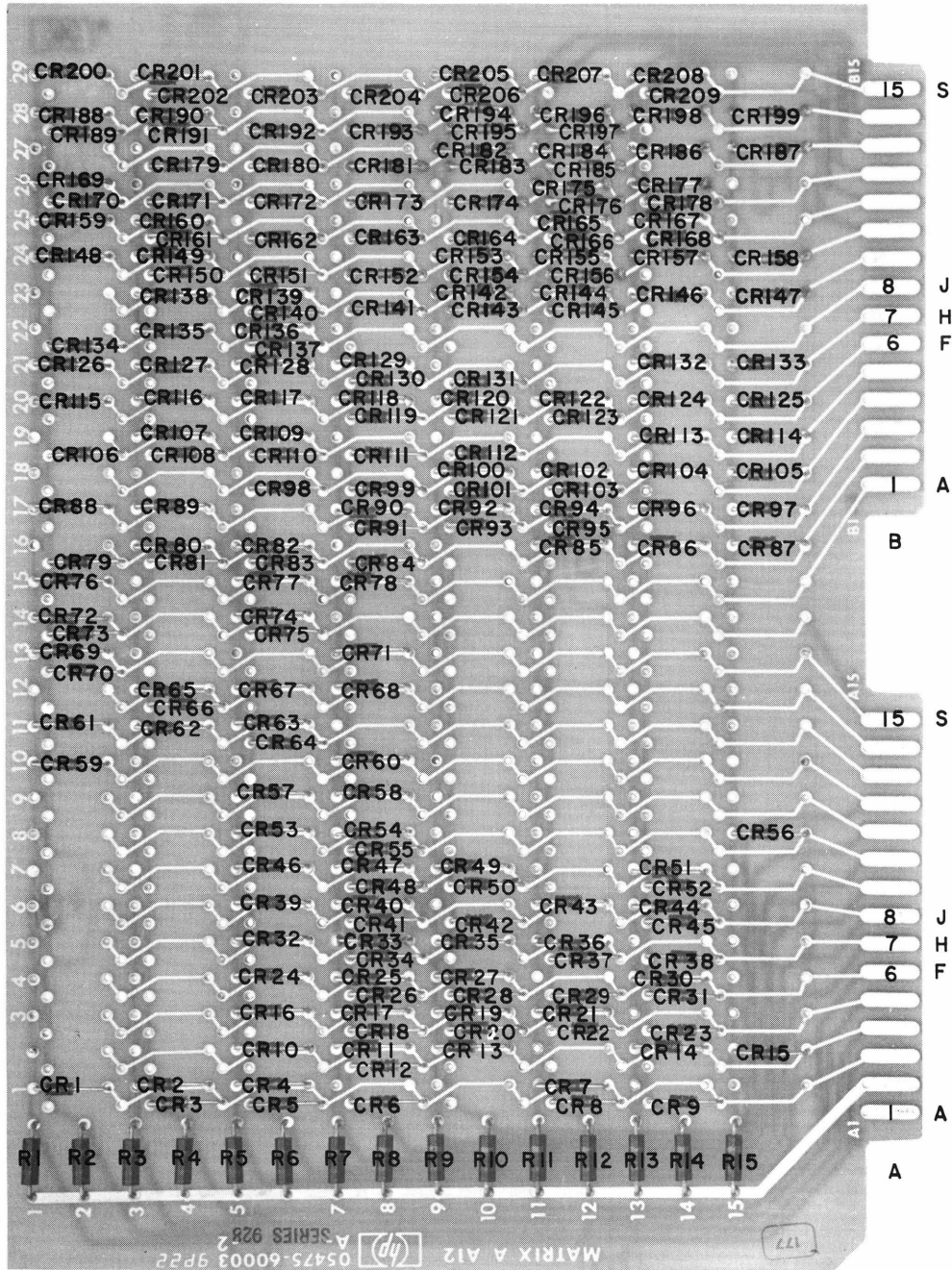
Figure 4-3. 5475A A11 Keyboard and Front Panel Assy.. (Cont'd)





5475A A11 KEYBOARD AND FRONT PANEL ASSY.

Figure 4-4. 5475A A13 Matrix A Assy. (Option 001 & 002) (Cont'd)



1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

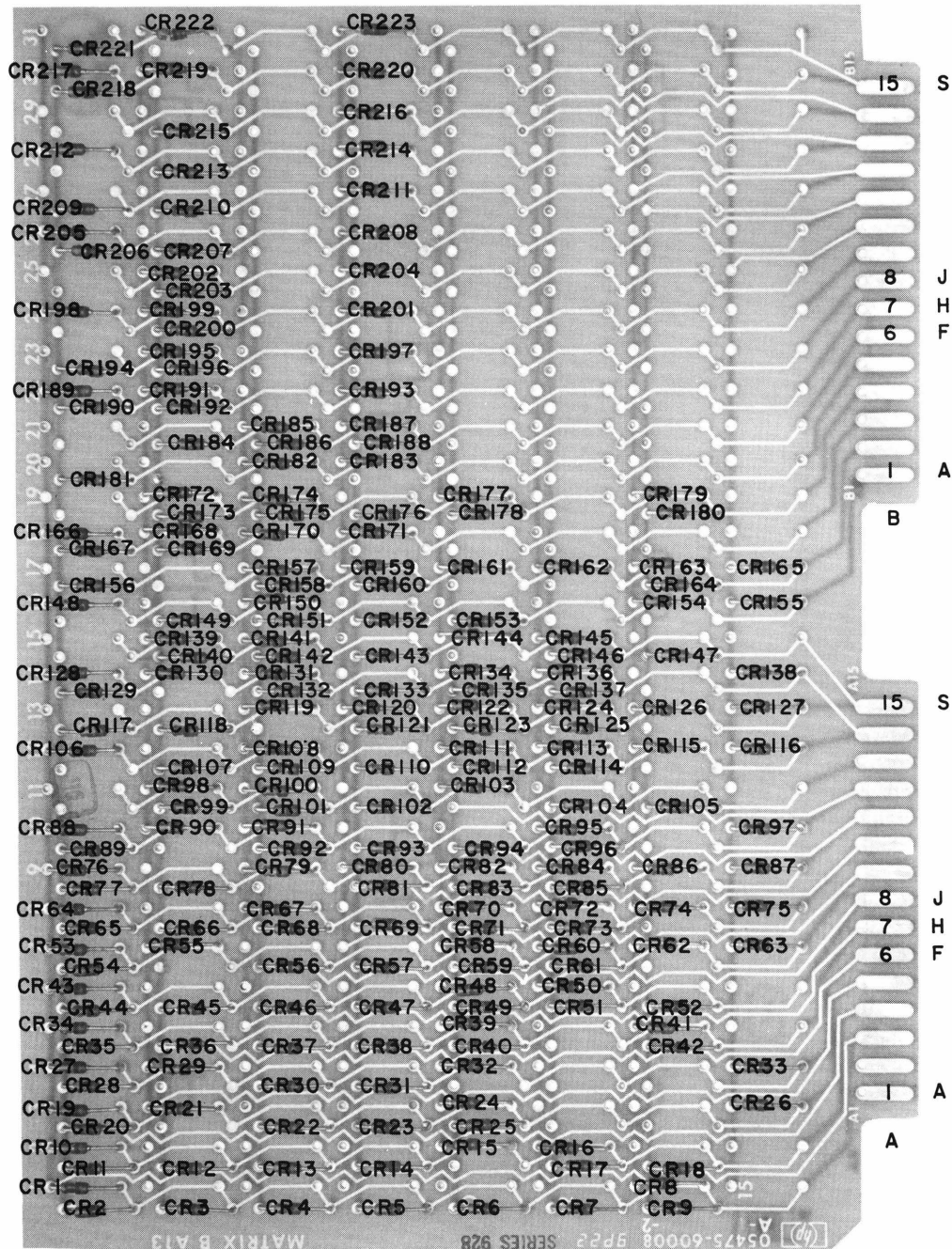
REFERENCE DESIGNATIONS	H-P PART NO.
CR1-209	1901 - 0040

A12
R1-15 CR1-209



Figure 4-4

Figure 4-5. 5475A A13 Matrix B Assy. (Option 001 & 002) (Cont'd)



- ## NOTES
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

REFERENCE DESIGNATIONS	H-P PART NO.
OR-223	1901-0040

REFERENCE DESIGNATIONS

A13
CRI-223

05450-D-12

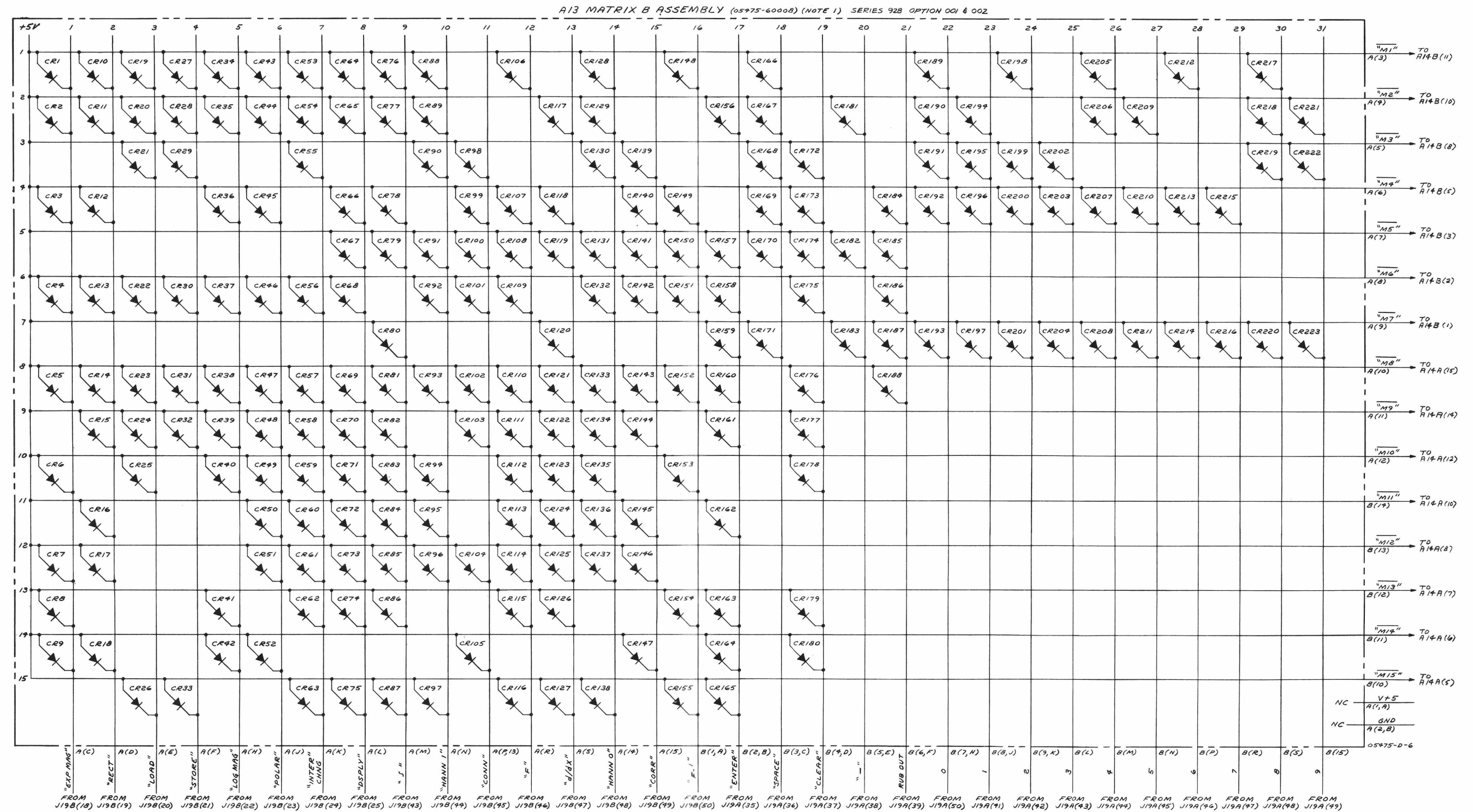
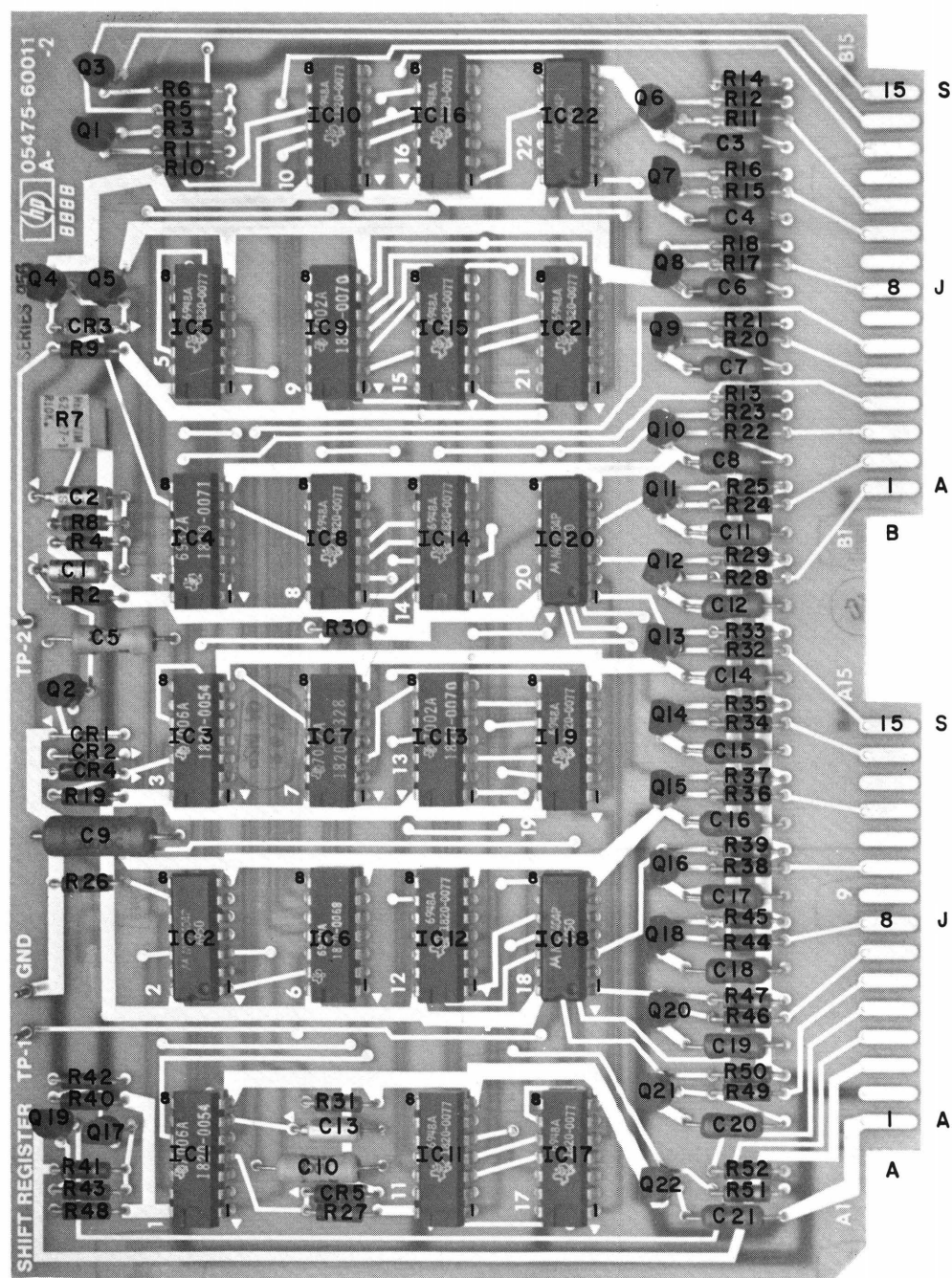


Figure 4-5
5475A A13 MATRIX B ASSY.
(OPTION 001 & 002)

Figure 4-6. 5475A A14 Shift Register Assy. (Cont'd)



- NOTES
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES
 3. ASTERISK (*) INDICATES SELECTED COMPONENT, AVERAGE VALUES SHOWN

TABLE	
REFERENCE DESIGNATIONS	H-P PART NO.
CR1,2	1901 - 0040
CR3	1901 - 0179
CR4,5	1902 - 3024
IC1,3	1820 - 0054
IC6	1820 - 0068
IC9,13	1820 - 0070
IC4	1820 - 0071
IC5,8,10-12,14-17,19,21	1820 - 0077
IC2,18,20,22	1820 - 0174
IC7	1820 - 0328
Q3,17	1853 - 0020
Q1,2,4-16,18-22	1854 - 0071

REFERENCE DESIGNATIONS
A14
Q1-21
CR1-5
IC1-22
Q1-22
R1-52
TP1,2

05950-D-13

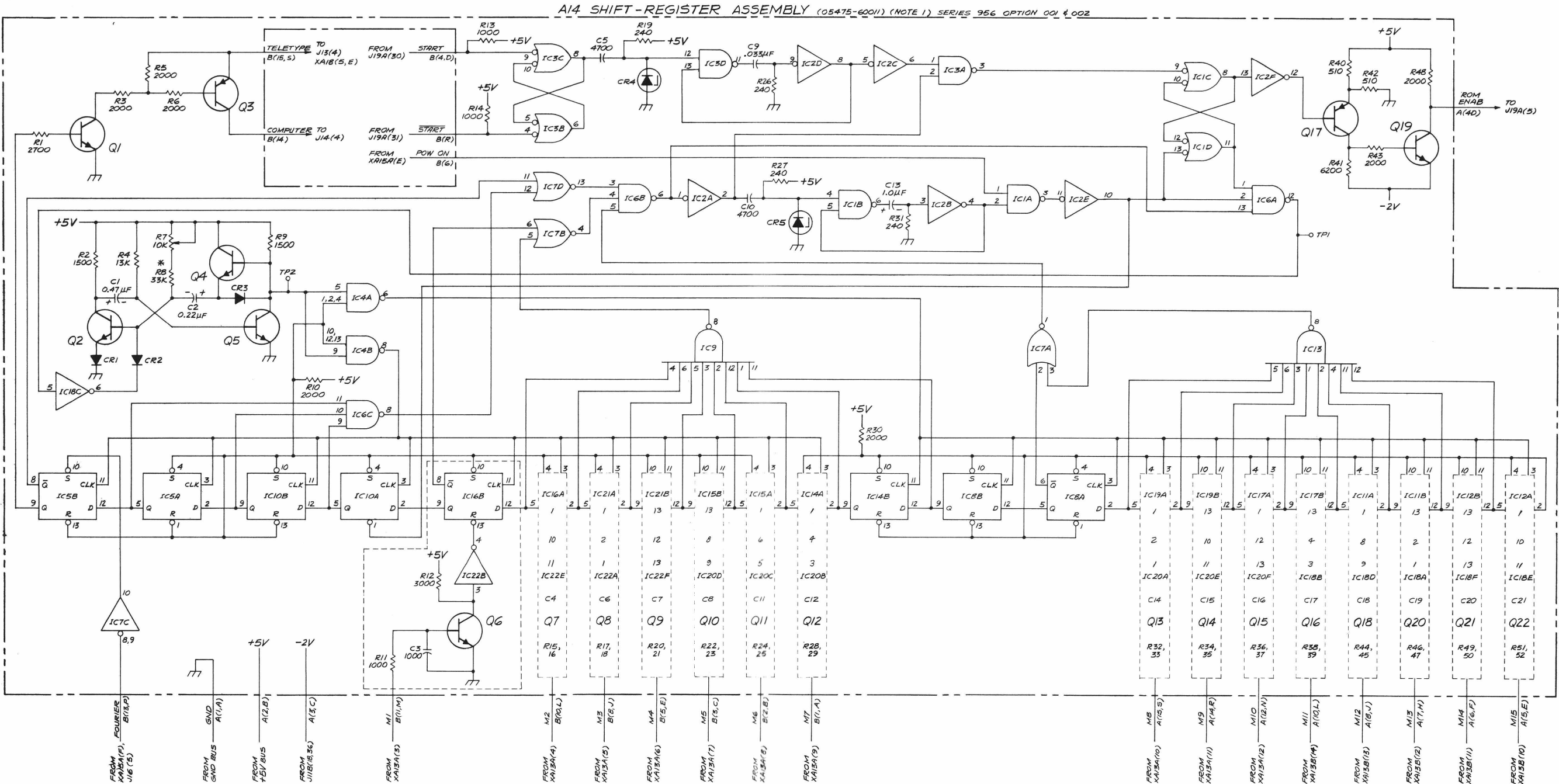
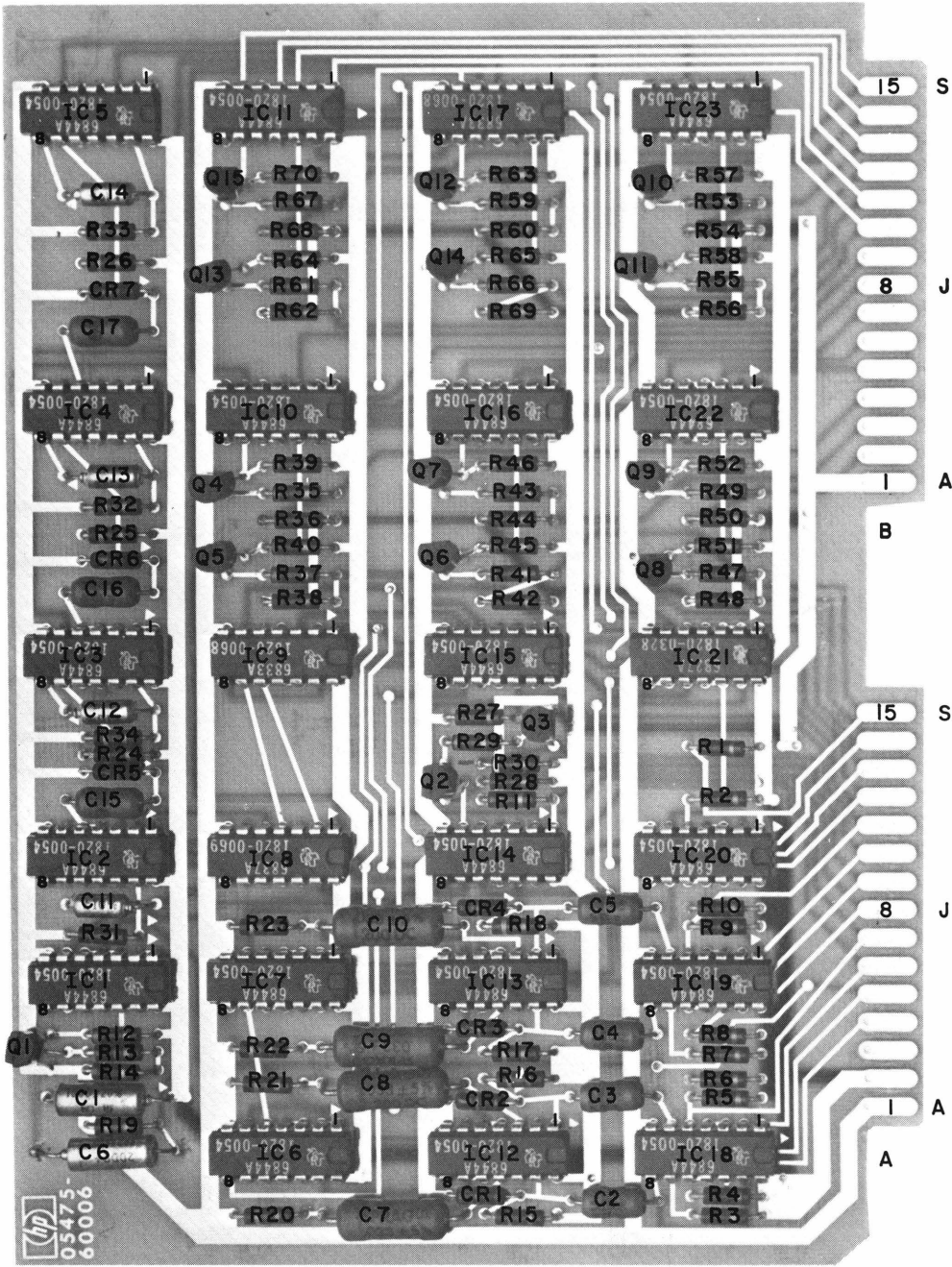


Figure 4-6
5475A A14 SHIFT REGISTER ASSY.
(OPTION 001 & 002)
4-17

Figure 4-7. 5475A A15 Function Assy. (Option 001) (Cont'd)



NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;
INDUCTANCE IN MICROHENRIES

TABLE

REFERENCE DESIGNATIONS	H-P PART NO.
CR1-7	1902 - 3024
IC1-7, 10-16, 18-20, 22, 23	1820 - 0054
IC9, 17	1820 - 0068
IC8	1820 - 0069
IC21	1820 - 0328
Q2	1853 - 0020
Q1, 3, 4-15	1854 - 0071

REFERENCE DESIGNATIONS

A15
CR1-17
CR1-7
IC1-23
Q1-15
R1-70

05450-D-14

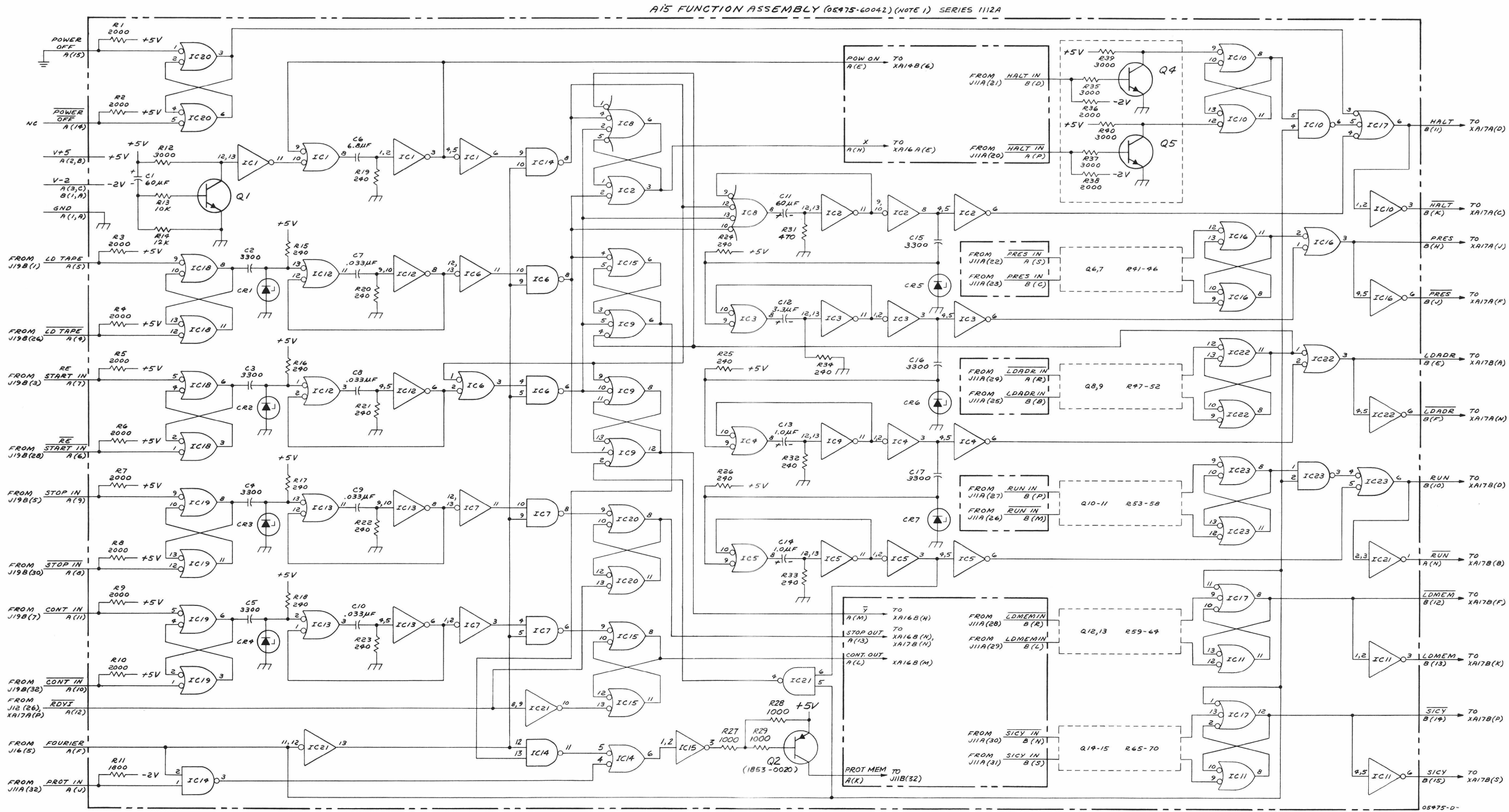
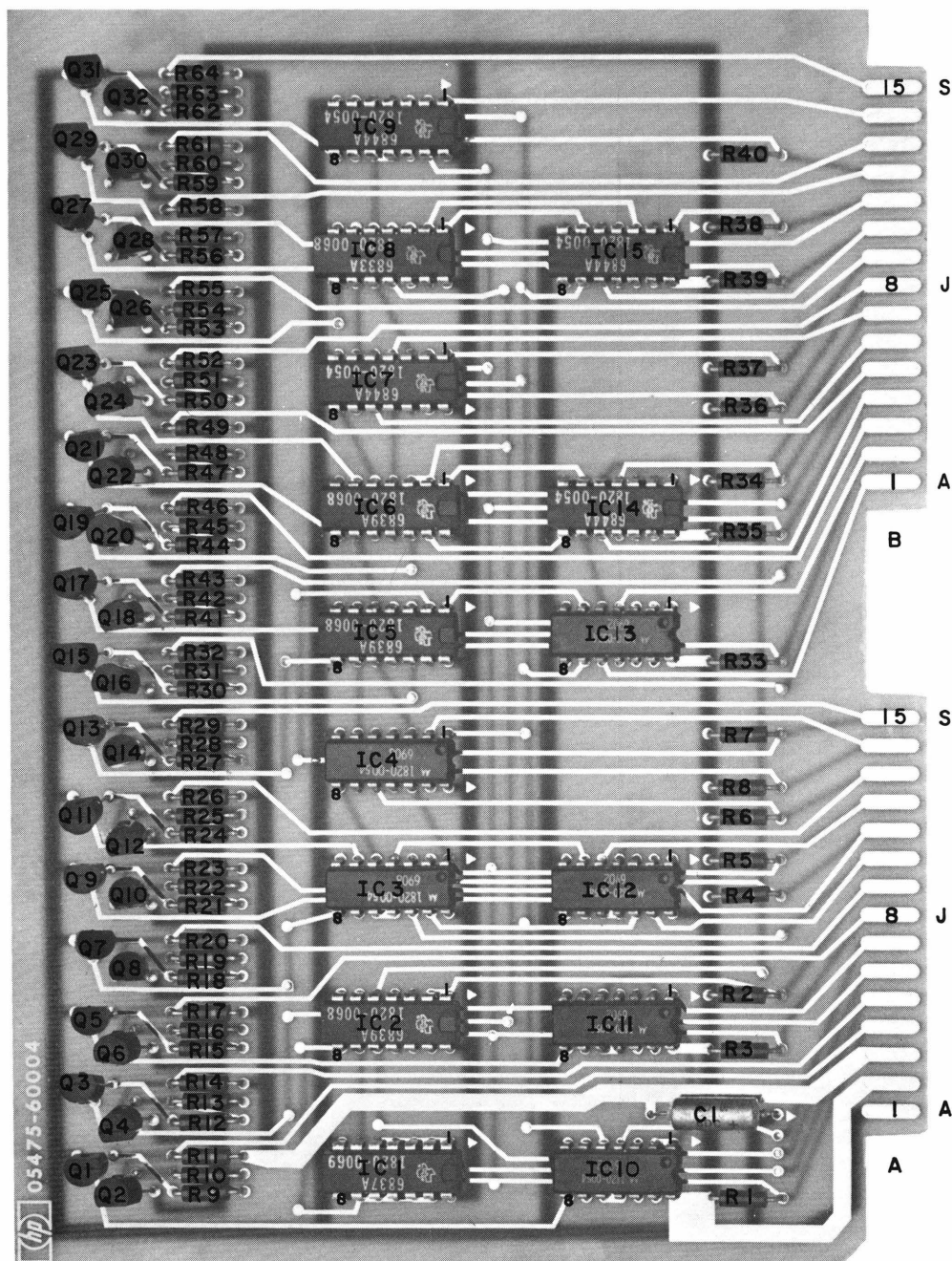


Figure 4-8. 5475A A16 Switch Register Assy. (Option 001) (Cont'd)



NOTES

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
2. UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS;

REFERENCE DESIGNATIONS	H-P PART NO.
IC3,4,7,9-15	1820 - 0054
IC2,5,6,8	1820 - 0068
IC1	1820 - 0069
Q2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32	1853 - 0020
Q1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31	1854 - 0071

REFERENCE DESIGNATIONS

A16
IC1-15
Q1-32
R1-64

05450-D

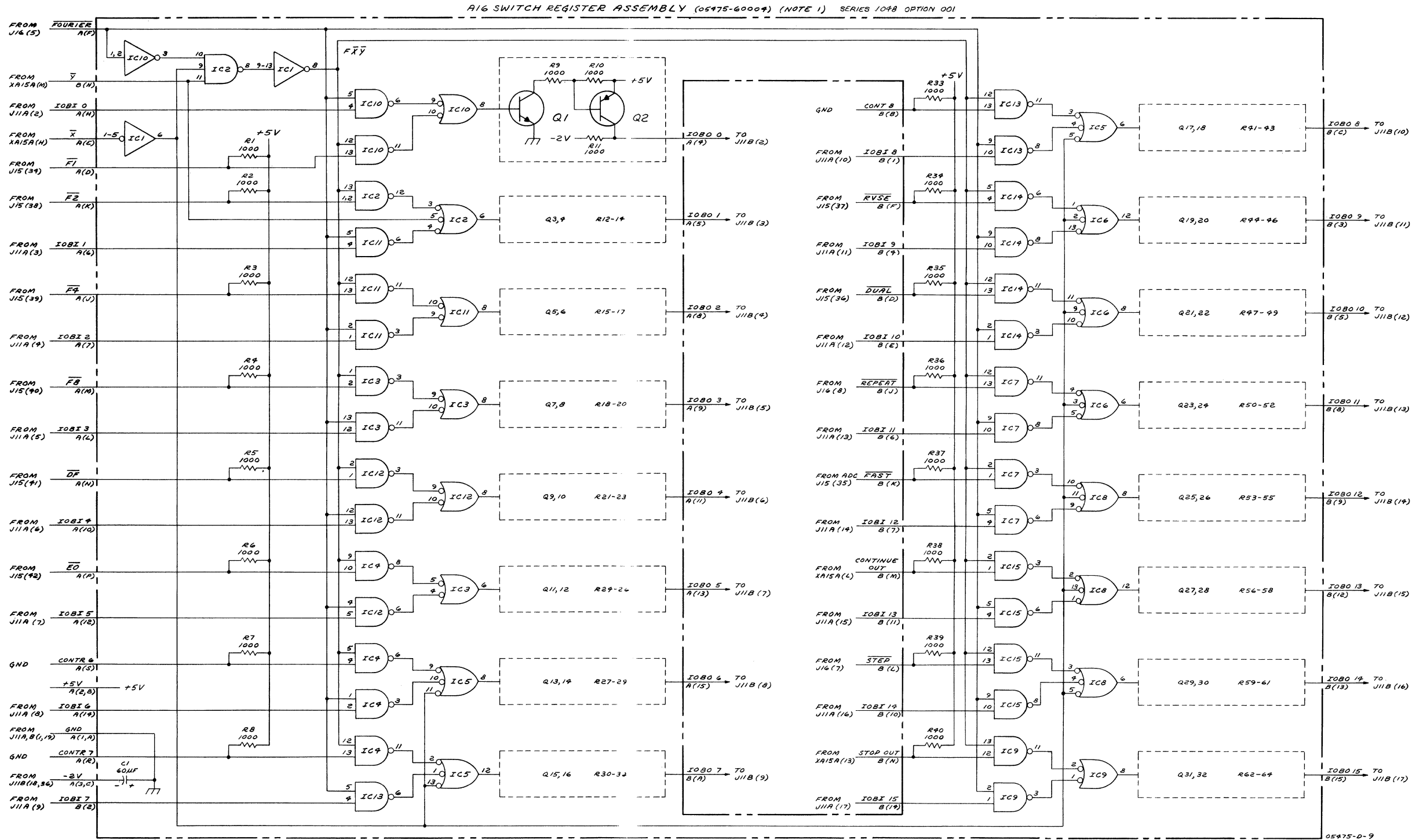
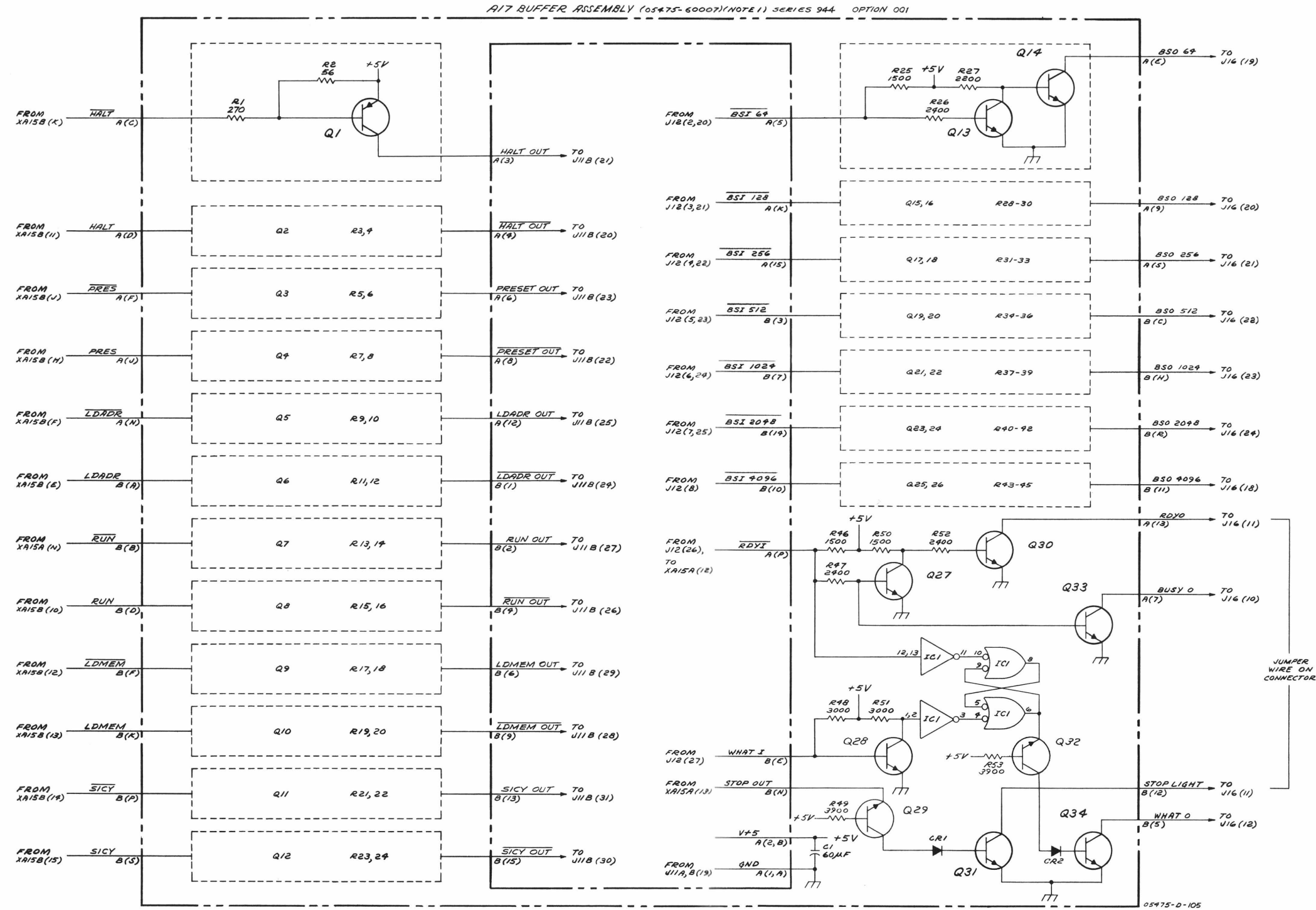
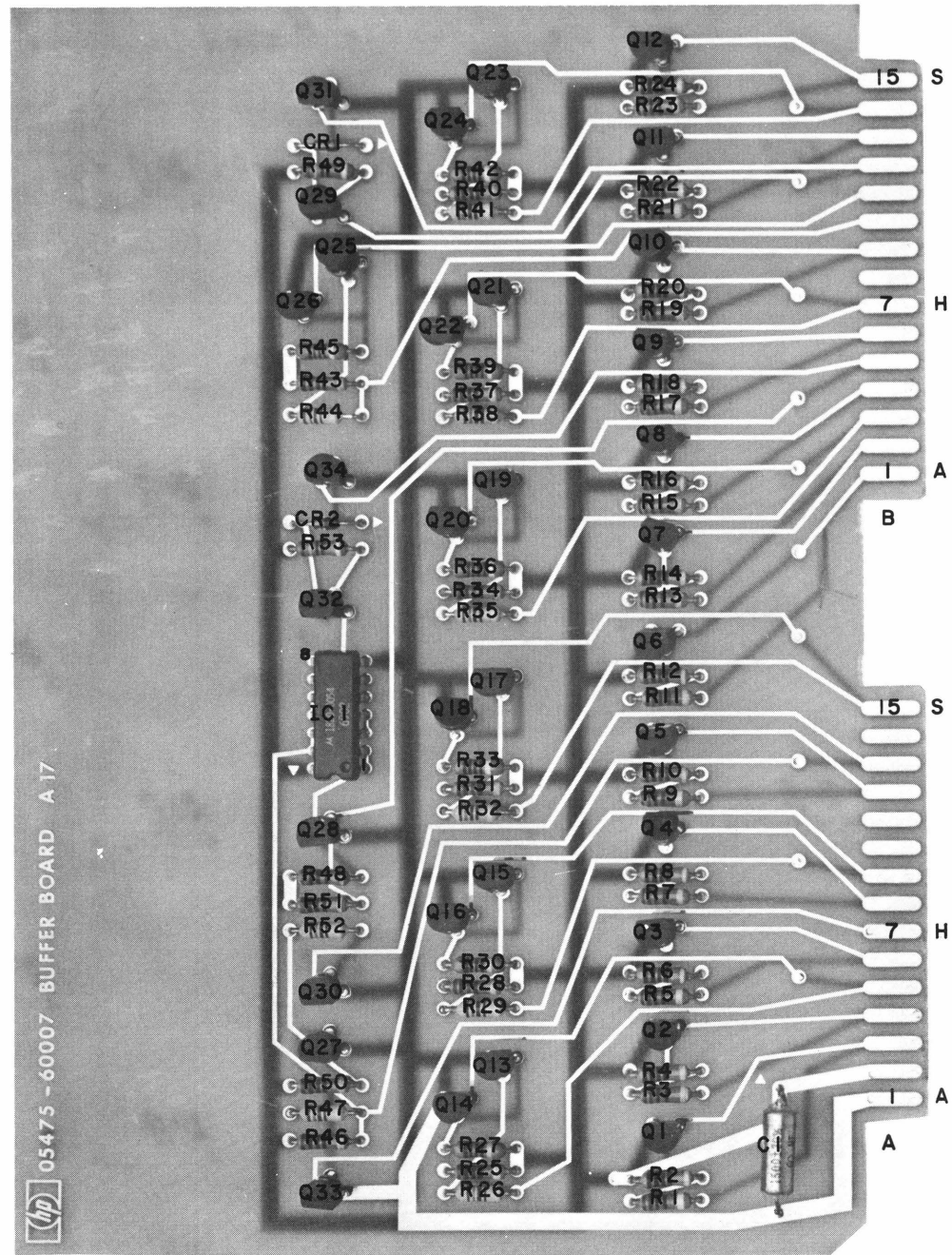


Figure 4-8
5475A A16 SWITCH REGISTER ASSY.
(OPTION 001)



NOTES

- REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
- UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICOFARADS.

TABLE

REFERENCE DESIGNATIONS	H-P PART NO.
CR1,2	1901 - 0040
IC1	1820 - 0054
Q1-12	1853 - 0020
Q13-34	1854 - 0011

REFERENCE DESIGNATIONS

A17
CR1,2
IC1
Q1-34
R1-53

Figure 4-9
5475A A17 BUFFER ASSY.
(OPTION 001)

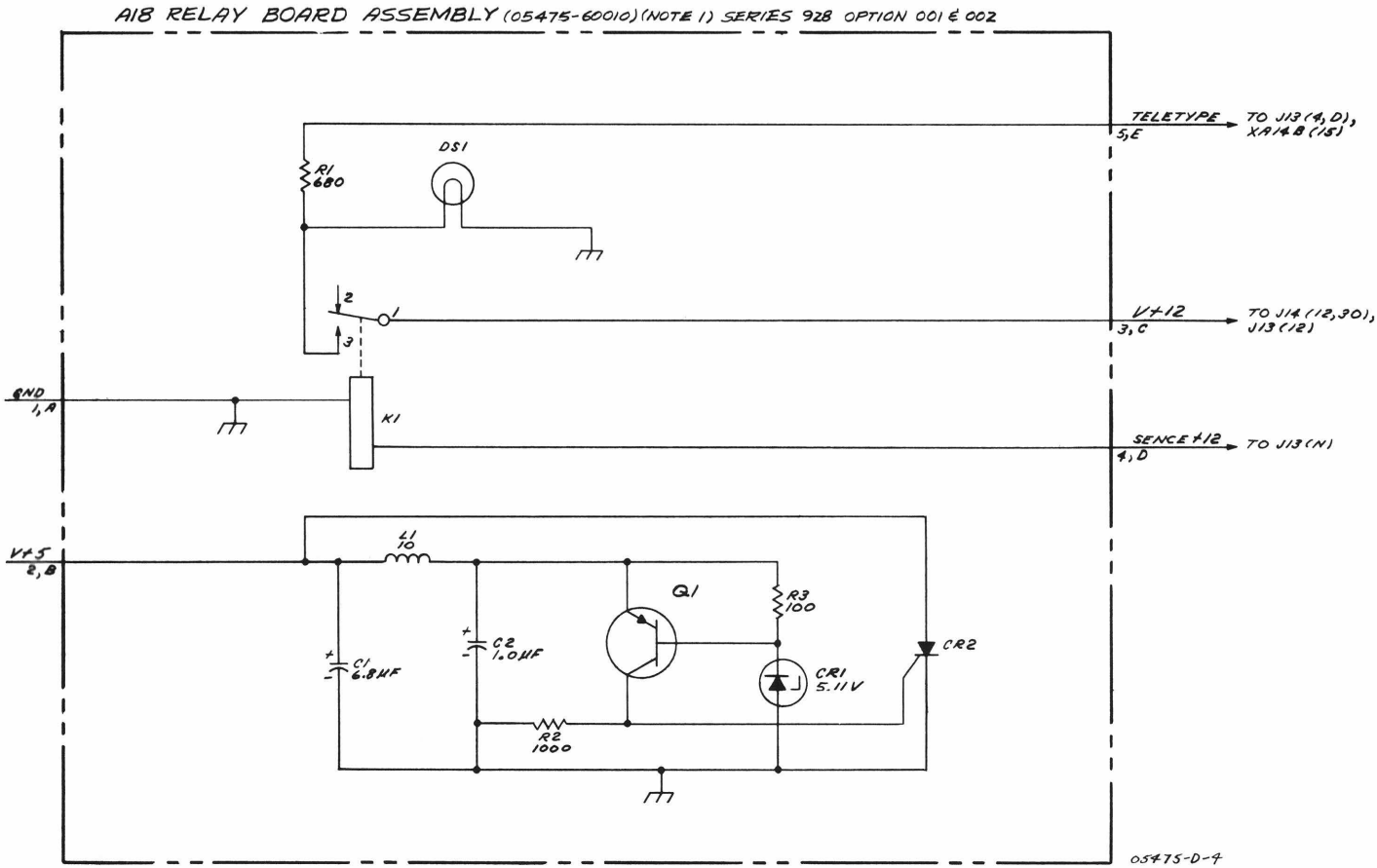
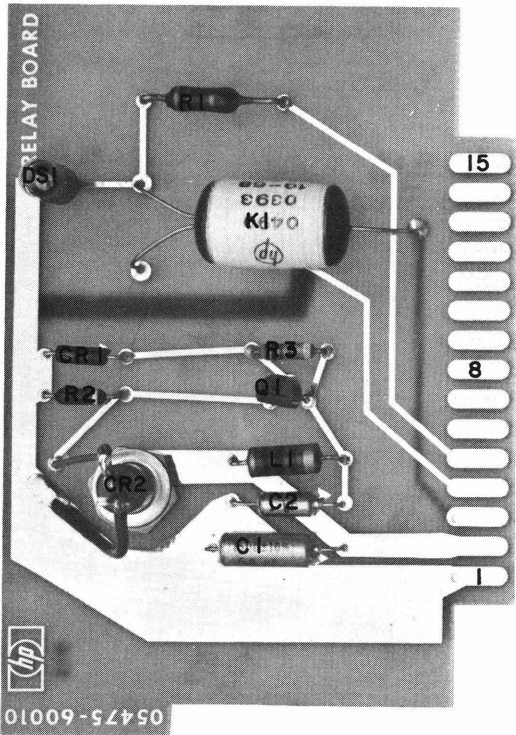


TABLE	
REFERENCE DESIGNATIONS	H-P PART NO.
CR1	1902 - 0041
CR2	1884 - 0063
Q1	1853 - 0020

- NOTES
- REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 - UNLESS OTHERWISE INDICATED:
RESISTANCE IN OHMS;
CAPACITANCE IN PICO FARADS;
INDUCTANCE IN MICROHENRIES

REFERENCE DESIGNATIONS
A18
C1, 2
CR1, 2
DS1
K1
L1
Q1
R1-3

Figure 4-10
5475A A18 RELAY ASSY.
(OPTION 001 & 002)

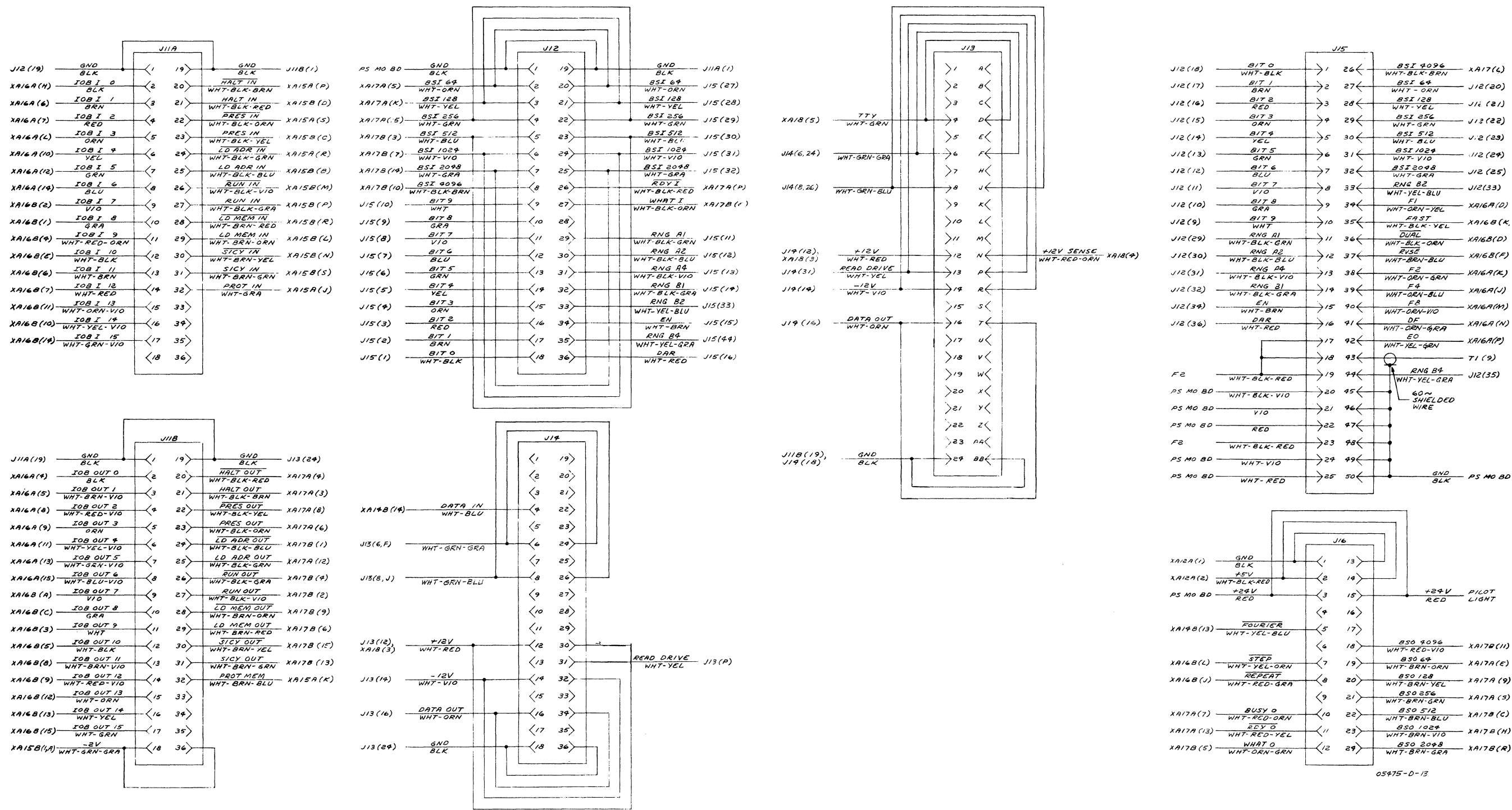
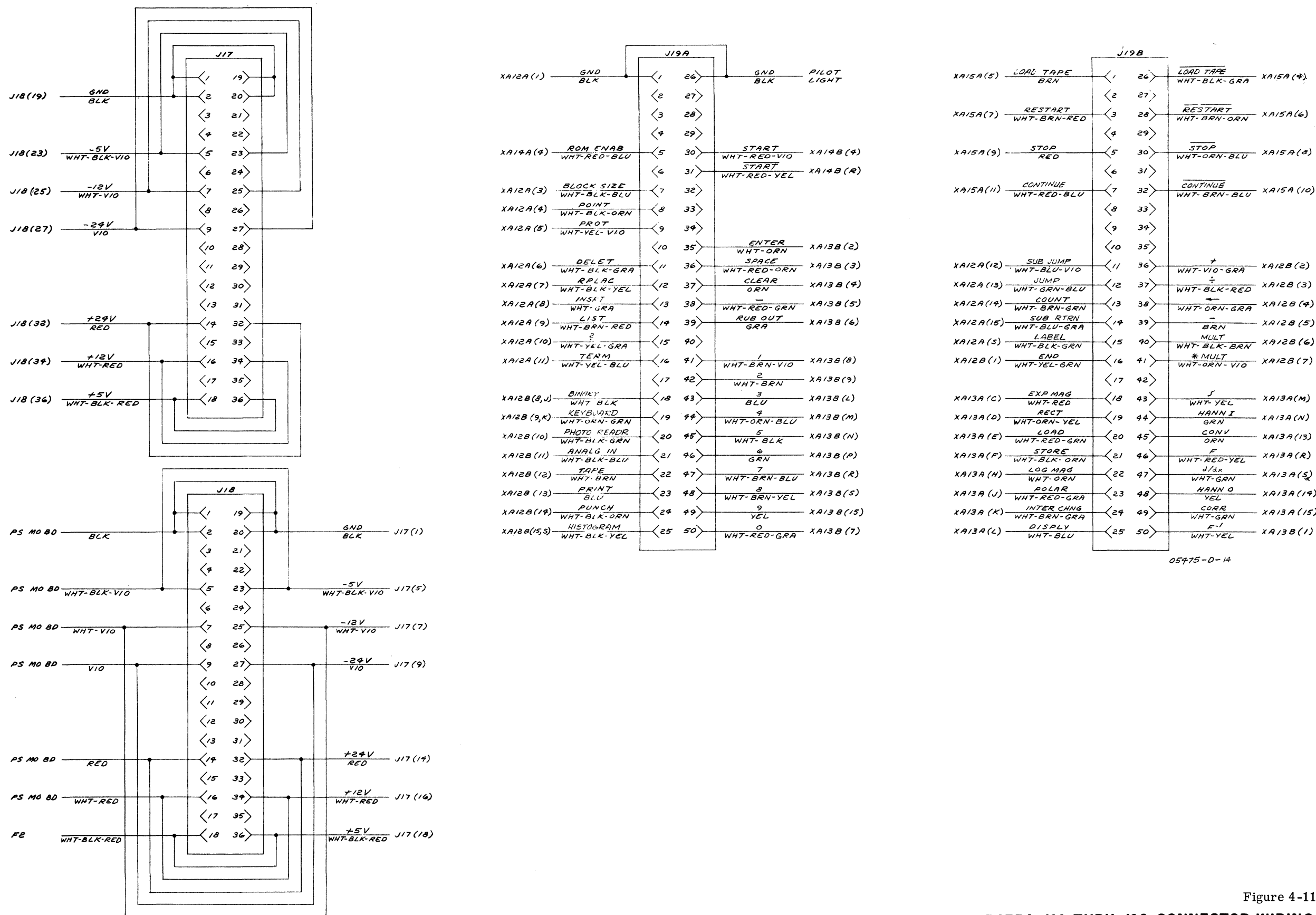
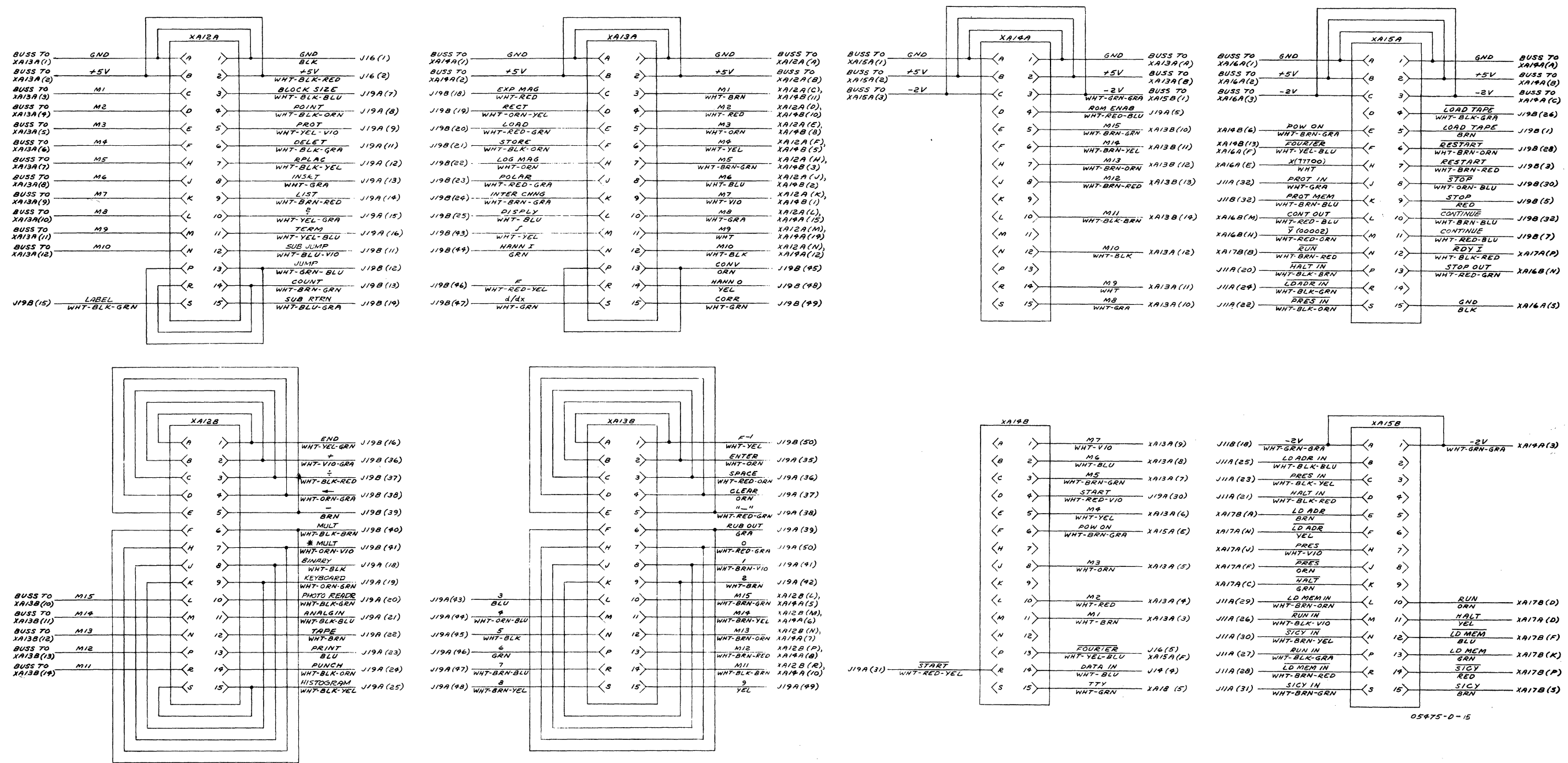


Figure 4-11
5475A J11 THRU J19 CONNECTOR WIRING
(OPTION 001)
(Sheet 1 of 2)
4-27



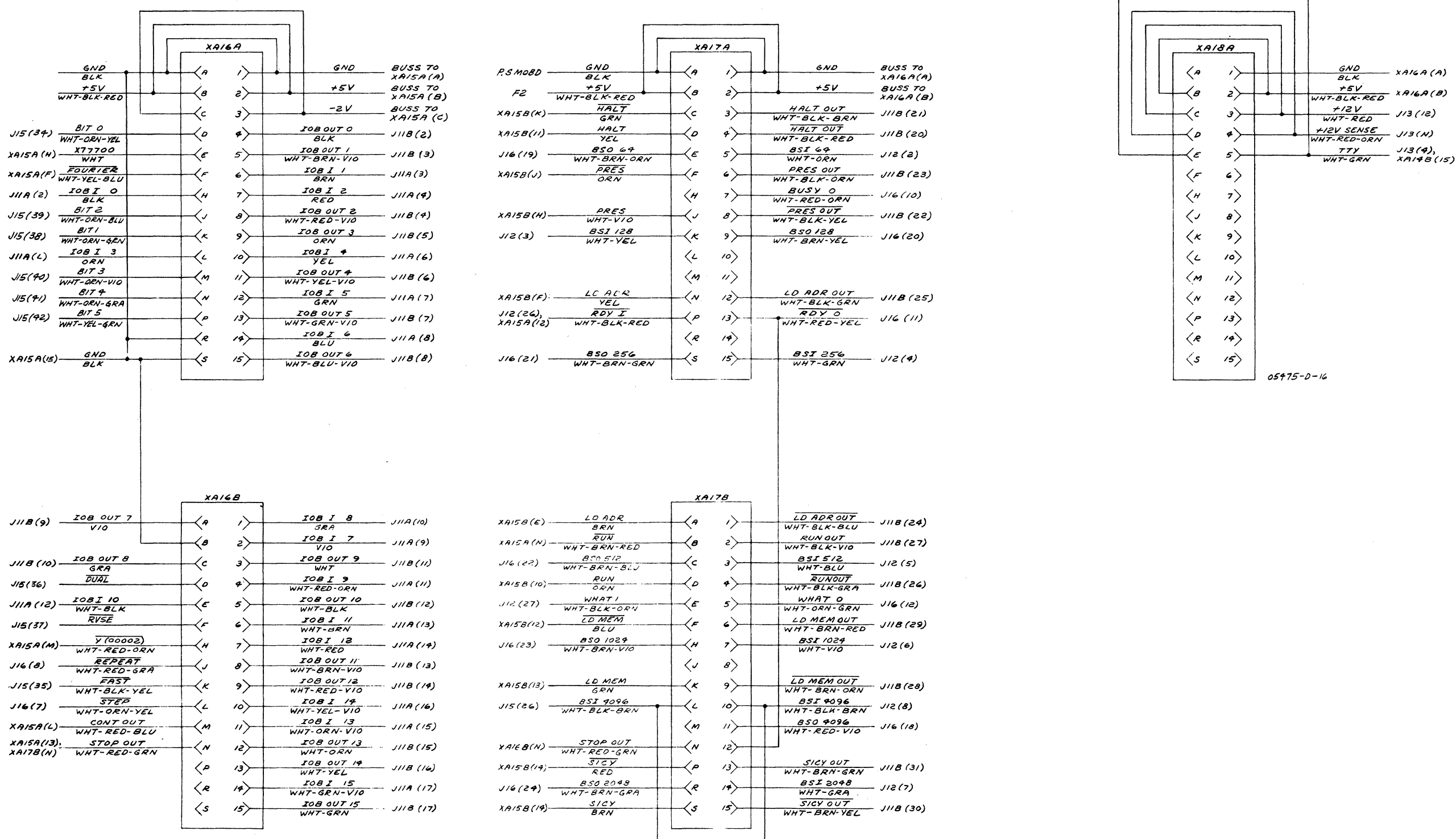
05475-D-14

Figure 4-11
5475A J11 THRU J19 CONNECTOR WIRING
(OPTION 001)
(Sheet 2 of 2)
4-29



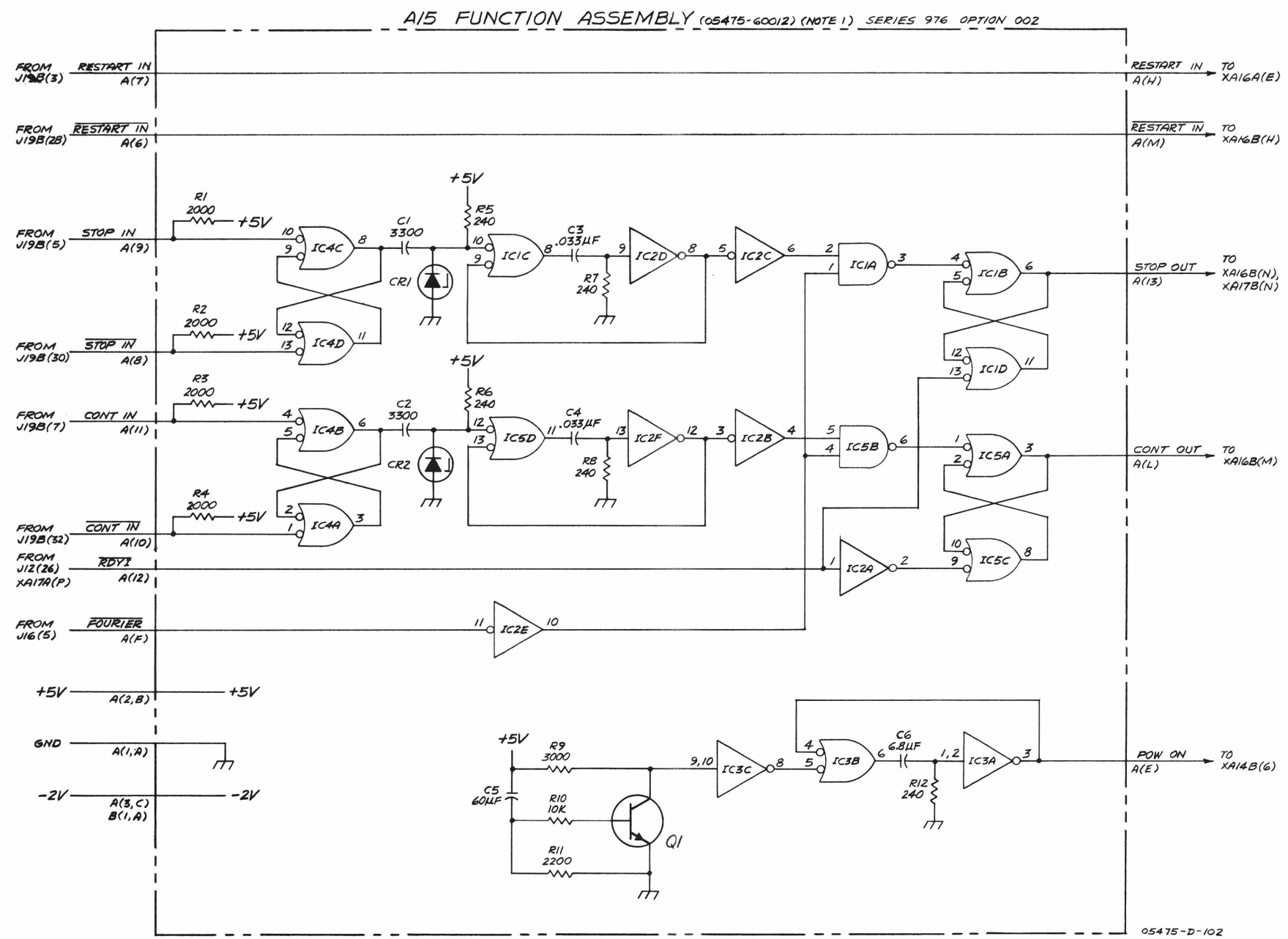
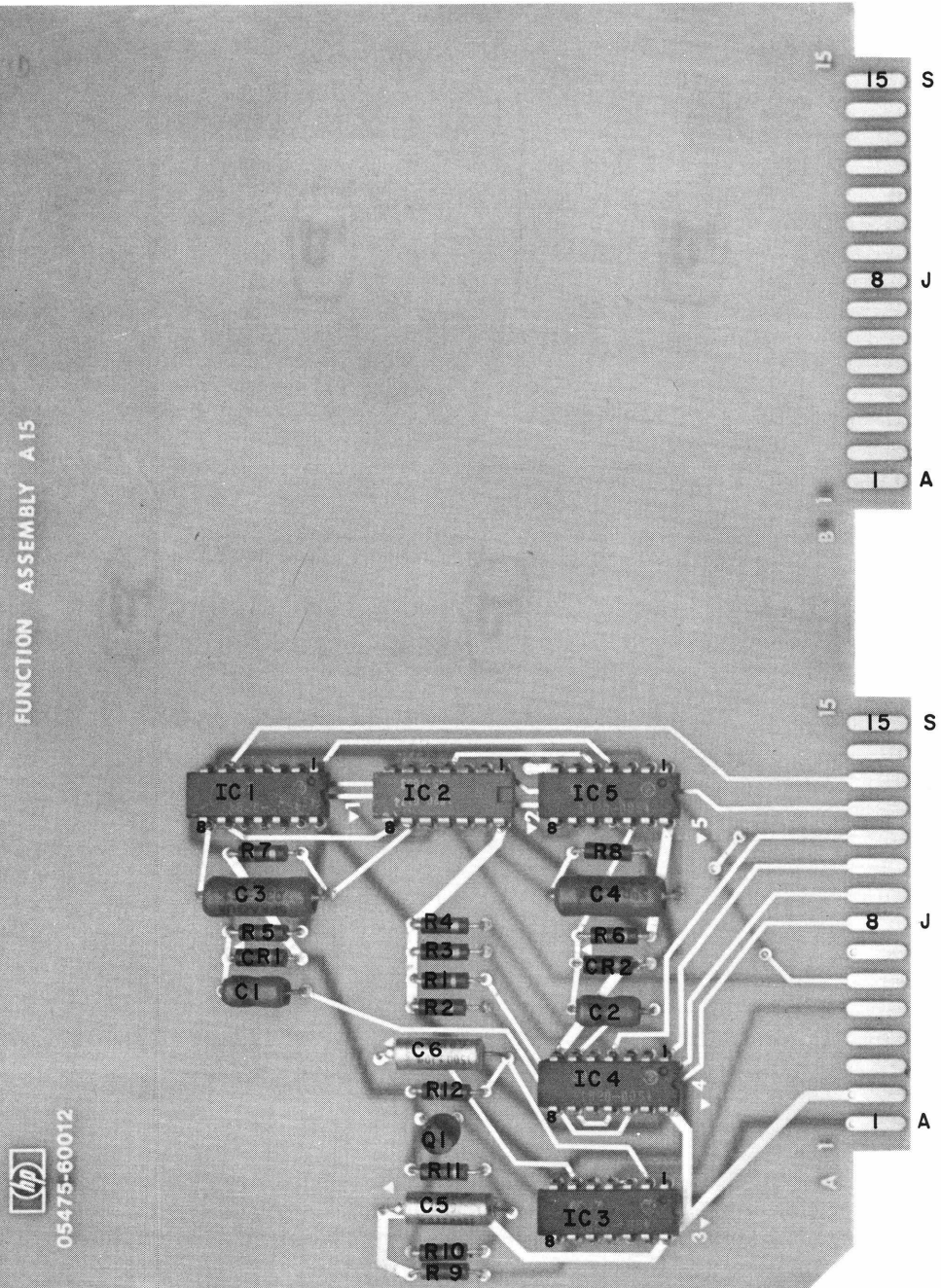
05475-D-15

Figure 4-12
5475A XA12 THRU XA18 CONNECTOR WIRING
(OPTION 001)
(Sheet 1 of 2)
4-31



05475-D-16

Figure 4-12
5475A XA12 THRU XA18 CONNECTOR WIRING
(OPTION 001)



- NOTES**
1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
 2. UNLESS OTHERWISE INDICATED: RESISTANCE IN OHMS; CAPACITANCE IN PICOFARADS;

TABLE	
REFERENCE DESIGNATIONS	H-P PART NO.
CR1, 2	1902 - 3024
IC1, 3-5	1820 - 0054
IC2	1820 - 0174
Q1	1854 - 0071

REFERENCE DESIGNATIONS	
A15	
C1 - 6	
CR1, 2	
IC1 - 5	
Q1	
R1 - 12	

Figure 4-13
5475A A15 FUNCTION ASSY.
(OPTION 002)

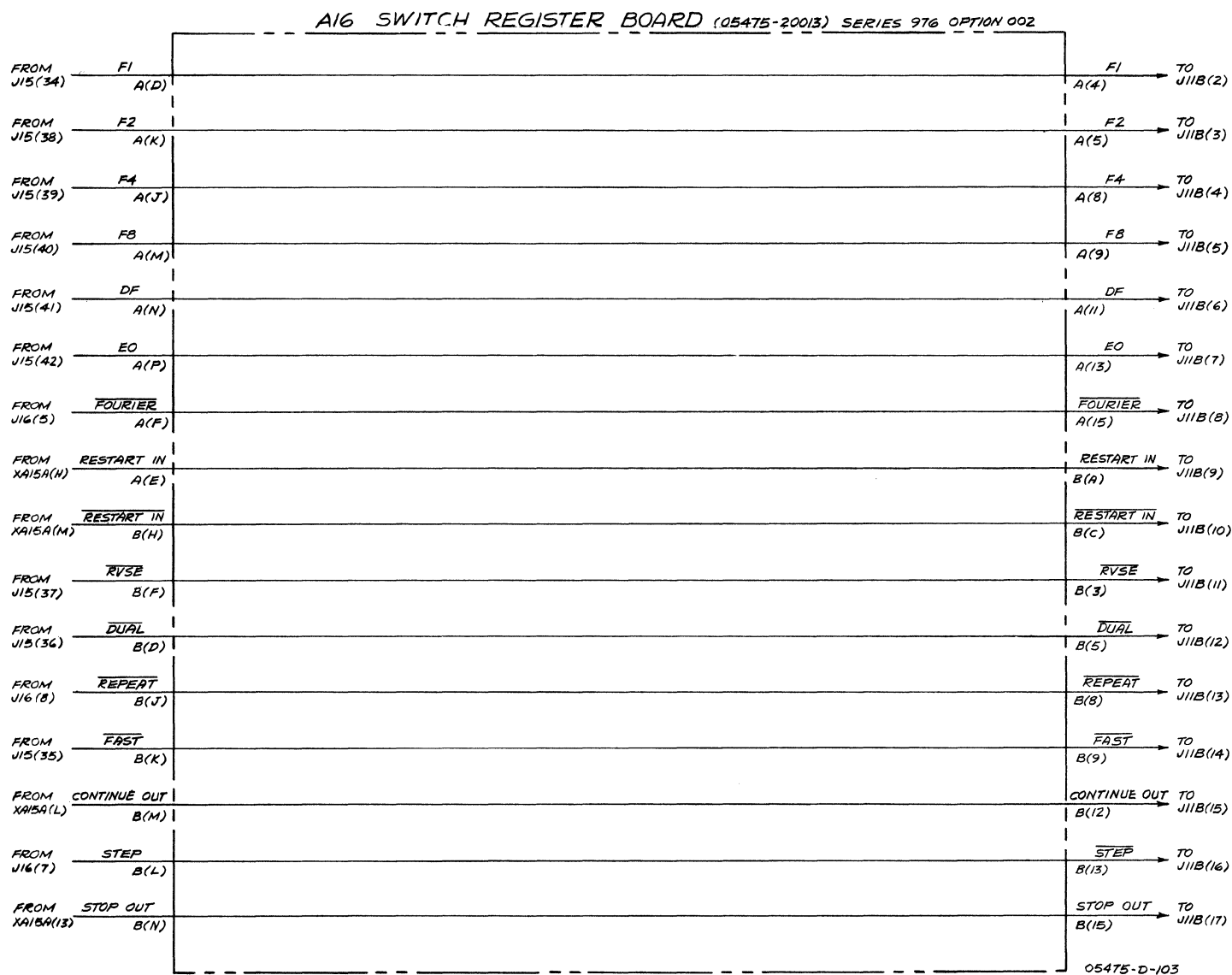


Figure 4-14
**5475A A16 SWITCH REGISTER ASSY.
(OPTION 002)**

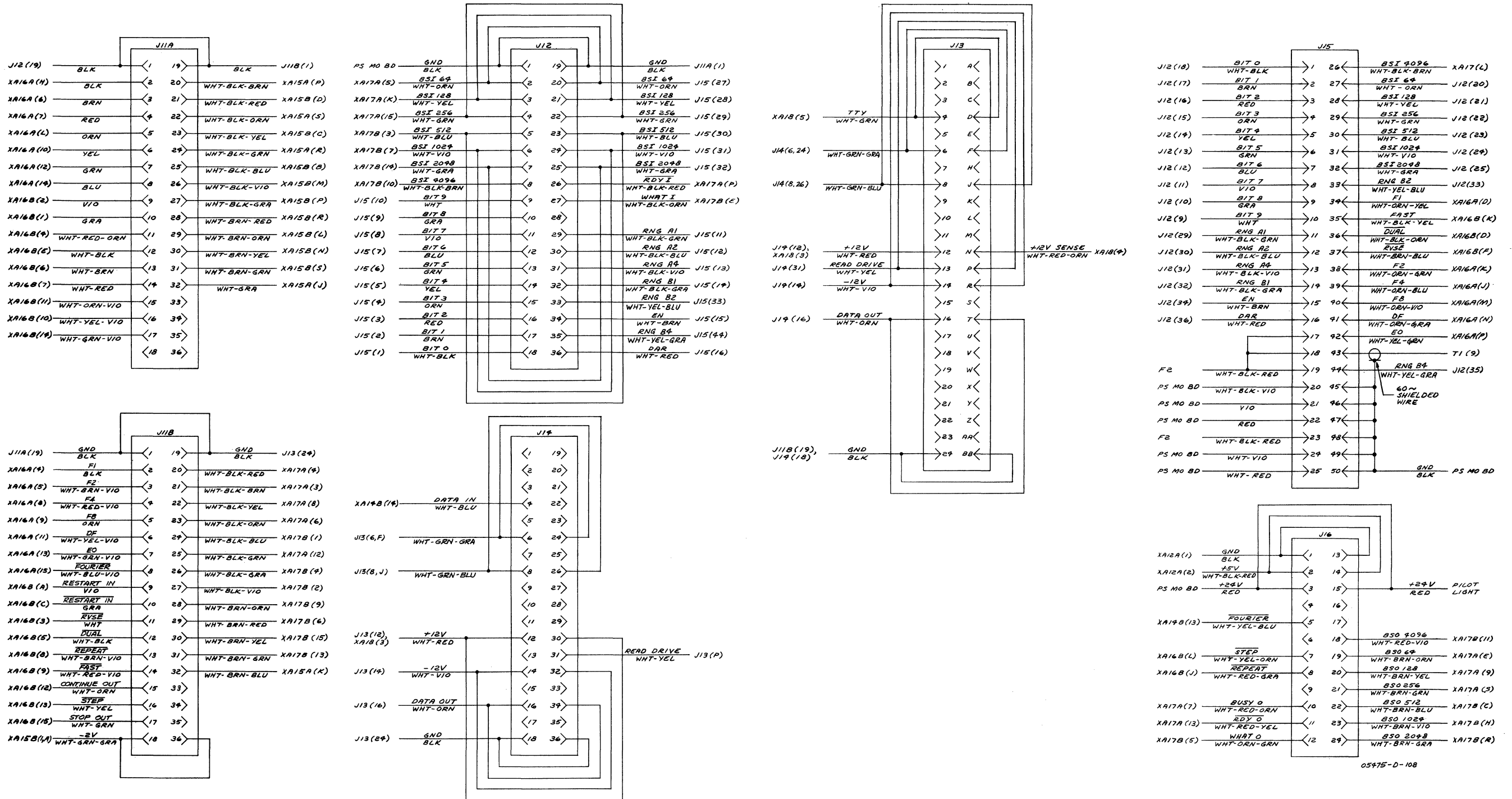
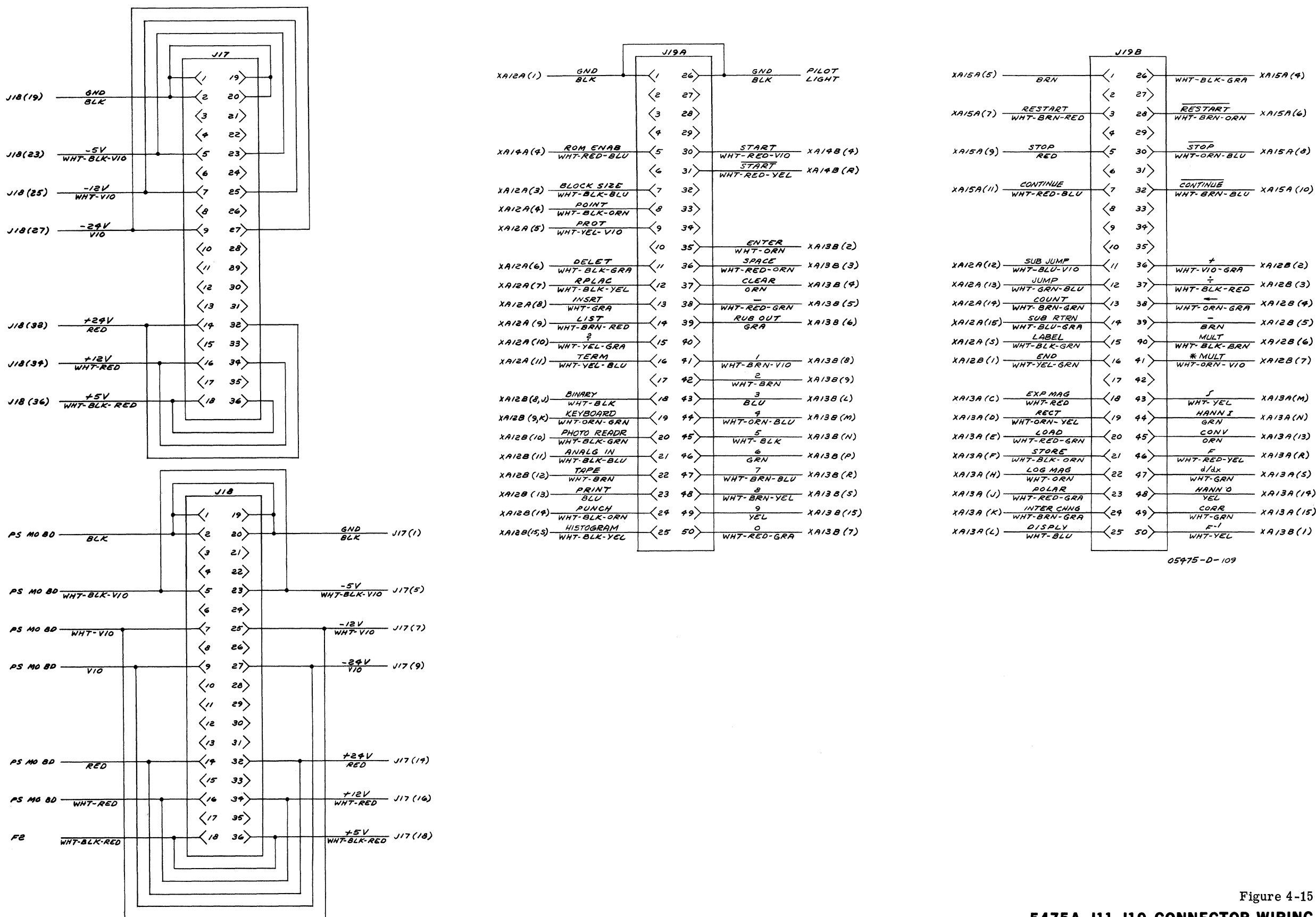
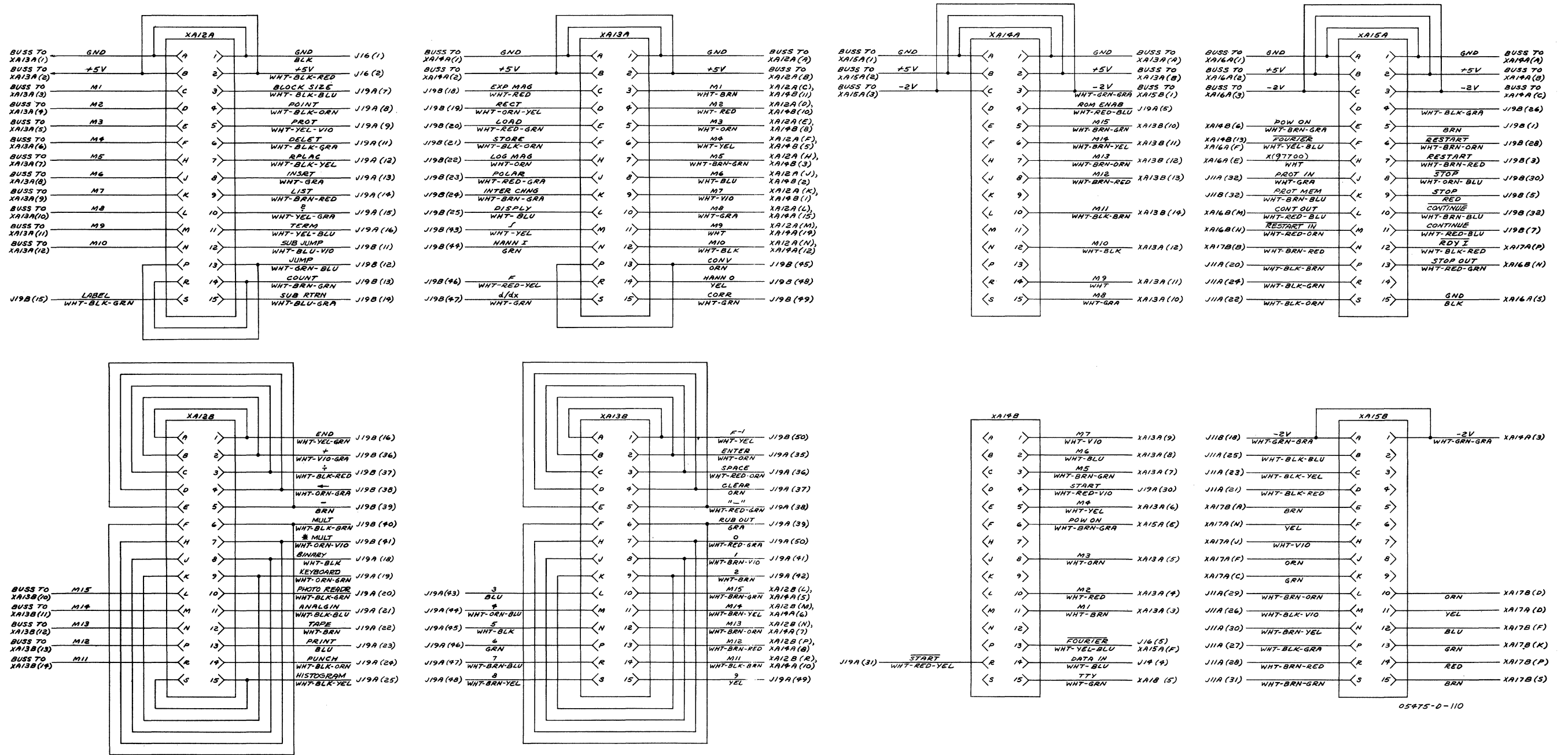


Figure 4-15
5475A J 11-J19 CONNECTOR WIRING
(OPTION 002)



05475-D-109

Figure 4-15
5475A J11-J19 CONNECTOR WIRING
(OPTION 002)



05475-0-110

Figure 4-16
5475A XA12-XA18 CONNECTOR WIRING
(OPTION 002)
(Sheet 1 of 2)
4-43

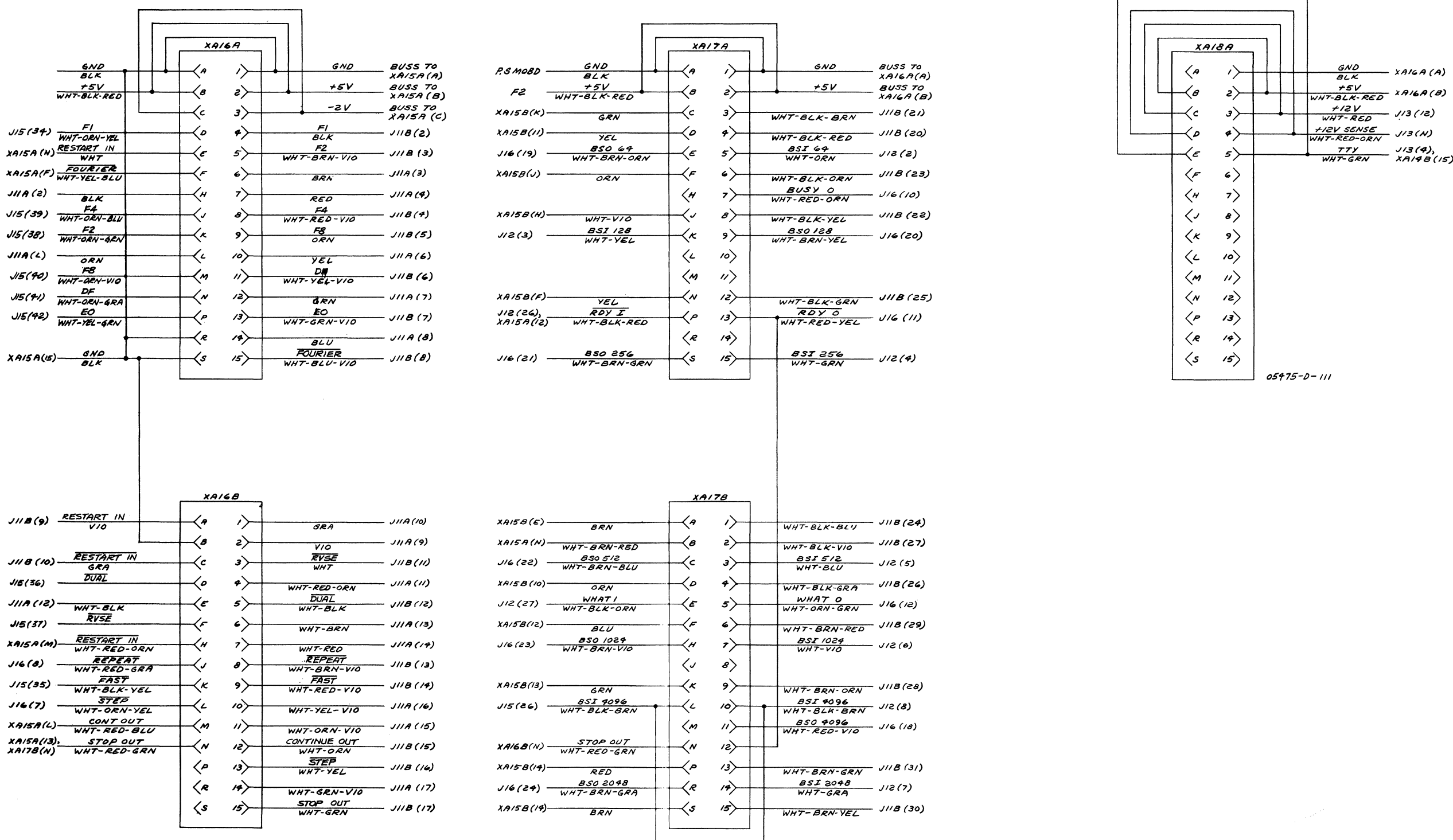


Figure 4-16
**5475A XA12-XA18 CONNECTOR WIRING
(OPTION 002)**

STATIC INTERFACE BOARD ASSEMBLY

The Static Interface Board Assembly is located in channel 13 of the Input-Output section of the Computer. The function of this input card is to receive switch information from the 5475A, option 002 via J11B and to transfer this information into the Computer, upon request, for processing.

The signals F1, F2, F4, F8, DF, EO, $\overline{\text{FAST}}$, $\overline{\text{RVSE}}$, and $\overline{\text{DUAL}}$ from the ADC switches, and STOP, CONTINUE, $\overline{\text{STEP}}$ & $\overline{\text{REPEAT}}$ from the Keyboard upon request, are gated through the Static Interface Card onto the Input-Output bus of the Computer.

The signals RESTART & $\overline{\text{RESTART}}$ from the Keyboard cause the Static Interface Card to force an interrupt to channel 13 of the Computer.

The Signal $\overline{\text{FOURIER}}$ enables the RESTART function. In the COMPUTER NORMAL mode the RESTART function is disabled.

The -2 volt supply and ground from the Computer are transferred to the 5475A option 002 via the Static Interface Card.

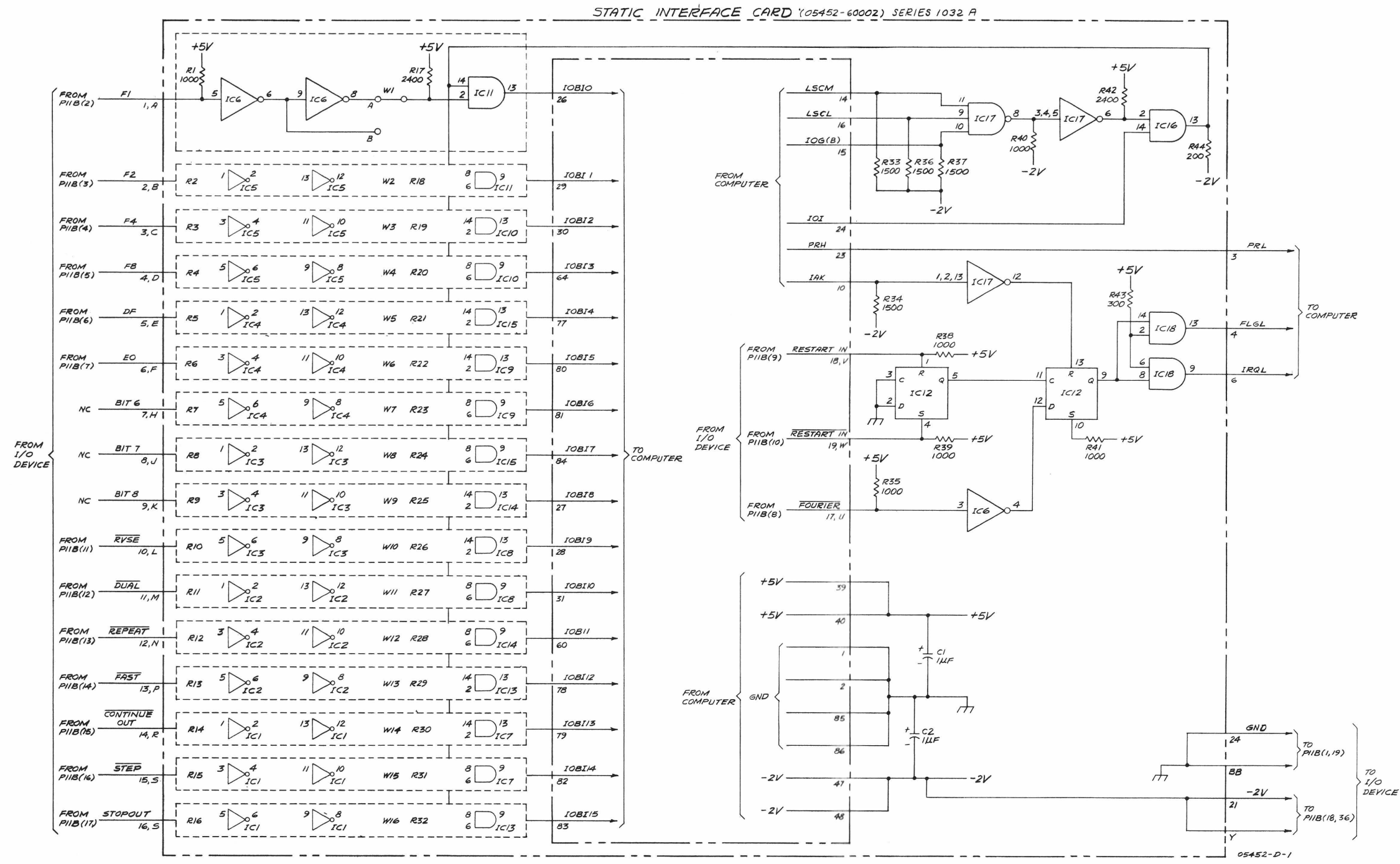
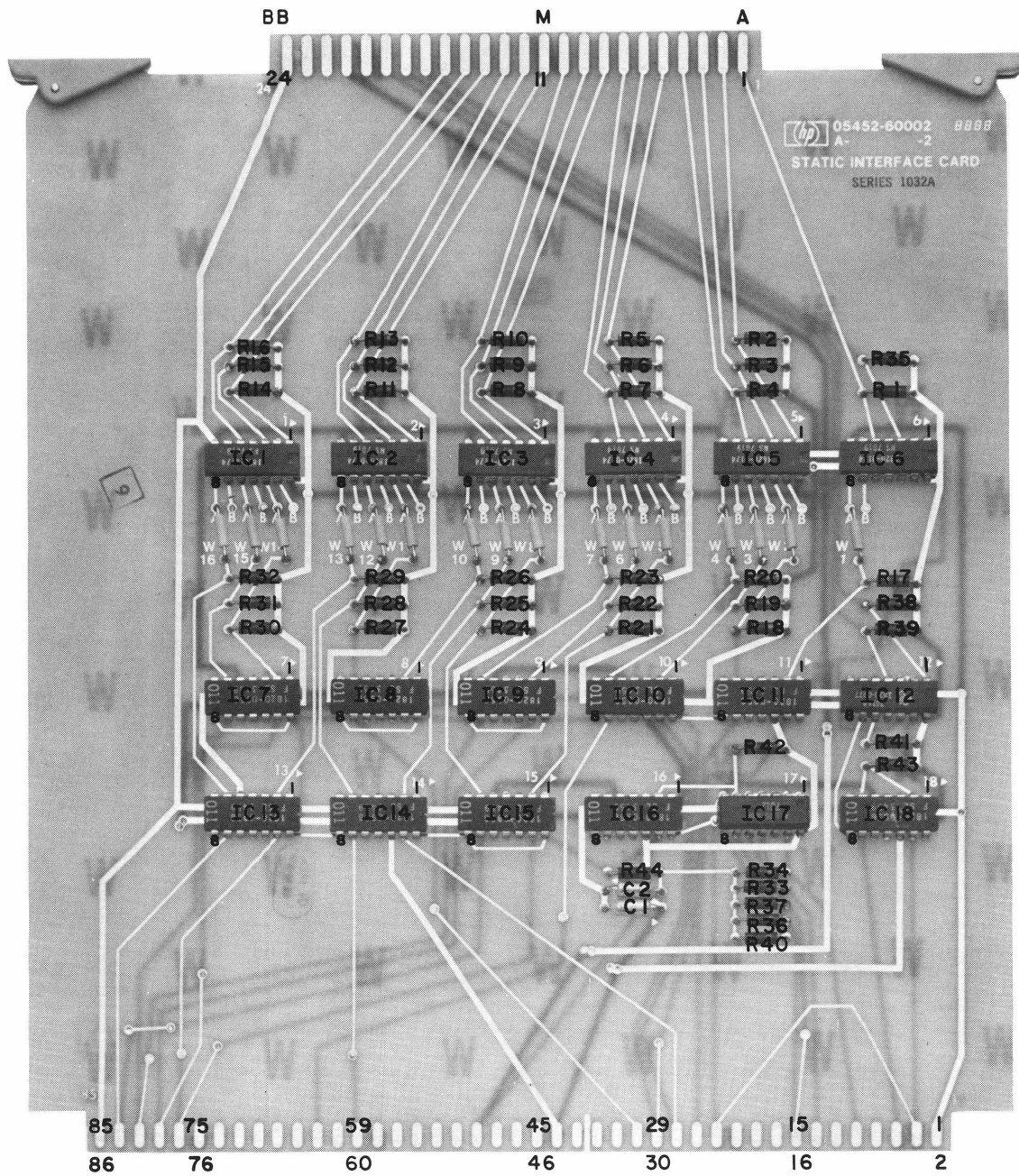


Figure 4-17
STATIC INTERFACE ASSY.
(OPTION 002)

SECTION V

REPLACEABLE PARTS

5.1 INTRODUCTION

This section contains information for ordering replacement parts. Tables 5-1 through 5-4 list parts used in the 5450A/5452A Fourier Analyzer Systems. The tables list parts in alpha-numerical order of their reference designators and provides the following information on each part:

- a. Hewlett-Packard part number.
- b. Description of part (see abbreviations below).
- c. Total quantity used in the instrument (the first time that the part appears in the list, the total quantity of that part number is printed).
- d. Typical manufacturer of the part in a five-digit code (see list of manufacturers in Table 5-5).

- e. Manufacturer's part number.

Miscellaneous parts are listed at the end of each table.

5.2 ORDERING INFORMATION

To obtain replacement parts, address order or inquiry to your local Hewlett-Packard Sales and Service office (see lists at rear of this manual for addresses). Identify parts by their Hewlett-Packard part number. To obtain a part that is not listed, include:

- a. Instrument model number.
- b. Instrument serial number.
- c. Description of the part.
- d. Function and location of the part.

Model 5450A/5452A
Replaceable Parts

Table 5-1. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
C1	0180-0291	2	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
C2	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
IC1	1820-0174	6	INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
IC2	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
IC3	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
IC4	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
IC5	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
IC6	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
IC7	1820-0956	10	IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC8	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC9	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC10	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC11	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC12	1820-0077	1	IC:TTL DUAL D FF (LATCH)	01295	SN4354
IC13	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC14	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC15	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC16	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
IC17	1820-0068	1	IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
IC18	1820-0956		IC:CTL DUAL 2-INPUT AND BUFFER	07263	SL3459
R1	0683-1025	21	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R2	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R3	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R4	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R5	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R6	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R7	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R8	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R9	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R10	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R11	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R12	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R13	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R14	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R15	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R16	0683-1025	17	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R17	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R18	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R19	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R20	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R21	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R22	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R23	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R24	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R25	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R26	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R27	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R28	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R29	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R30	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R31	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R32	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R33	0683-1525	4	R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
R34	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
R35	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R36	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
R37	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
R38	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R39	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R40	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R41	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
R42	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
R43	0683-3015	1	R:FXD COMP 300 OHM 5% 1/4W	01121	CB 3015
R44	0683-2015	1	R:FXD COMP 200 OHM 5% 1/4W	01121	CB 2015
W1	8159-0005	16	JUMPER WIRE	28480	8159-0005
W2	8159-0005		JUMPER WIRE	28480	8159-0005
W3	8159-0005		JUMPER WIRE	28480	8159-0005
W4	8159-0005		JUMPER WIRE	28480	8159-0005
W5	8159-0005		JUMPER WIRE	28480	8159-0005
W6	8159-0005		JUMPER WIRE	28480	8159-0005
W7	8159-0005		JUMPER WIRE	28480	8159-0005
W8	8159-0005		JUMPER WIRE	28480	8159-0005
W9	8159-0005		JUMPER WIRE	28480	8159-0005
W10	8159-0005		JUMPER WIRE	28480	8159-0005
W11	8159-0005		JUMPER WIRE	28480	8159-0005

See introduction to this section for ordering information

Table 5-1. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
W12	8159-0005		JUMPER WIRE	28480	8159-0005
W13	8159-0005		JUMPER WIRE	28480	8159-0005
W14	8159-0005		JUMPER WIRE	28480	8159-0005
W15	8159-0005		JUMPER WIRE	28480	8159-0005
W16	8159-0005		JUMPER WIRE	28480	8159-0005

See introduction to this section for ordering information

Table 5-2. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1	05460-60001	1	BOARD ASSY:VERTICAL AMPLIFIER	28480	05460-60001
A1C1	0180-0116	2	C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X9035B2-DYS
A1C2	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X9035B2-DYS
A1C3	0140-0150	2	C:FXD MICA 731.5 PF 1%	28480	0140-0150
A1C4	0170-0066	3	C:FXD MY 0.027 UF 10% 200VDCW	56289	192P27392-PTS
A1C5	0180-0291	33	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A1C6	0170-0066		C:FXD MY 0.027 UF 10% 200VDCW	56289	192P27392-PTS
A1CR1	1902-3279	1	DIODE BREAKDOWN:28.7V	28480	1902-3279
A1CR2	1901-0040	59	DIODE:SILICON 30MA 30WV	07263	FDG1088
A1CR3	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A1L1	9140-0047	7	CHOKERF 20 UH 10% 2.5MHZ	81242	15U-200K
A1L2	9140-0047		CHOKERF 20 UH 10% 2.5MHZ	81242	15U-200K
A1L3	9140-0047		CHOKERF 20 UH 10% 2.5MHZ	81242	15U-200K
A1L4	9140-0047		CHOKERF 20 UH 10% 2.5MHZ	81242	15U-200K
A1O1	1854-0215	2	TSTR:SI NPN	80131	2N3904
A1O2	1854-0071	24	TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1O3	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1O4	1854-0215		TSTR:SI NPN	80131	2N3904
A1O5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1O6	1854-0039	12	TSTR:SI NPN	80131	2N3053
A1O7	1854-0039		TSTR:SI NPN	80131	2N3053
A1O8	1854-0039		TSTR:SI NPN	80131	2N3053
A1O9	1854-0039		TSTR:SI NPN	80131	2N3053
A1R1	0757-0280	5	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R2	0698-5490	9	R:FXD MET FLM 2K OHM 1% 1/8W	28480	0698-5490
A1R3	0757-0924	31	R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A1R4	0757-0931	3	R:FXD FLM 2K OHM 2% 1/8W	28480	0757-0931
A1R5	0757-0909	3	R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A1R6	0757-0931		R:FXD FLM 2K OHM 2% 1/8W	28480	0757-0931
A1R7	0698-5490		R:FXD MET FLM 2K OHM 1% 1/8W	28480	0698-5490
A1R8	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R9	0757-0928	1	R:FXD FLM 1.5K OHM 2% 1/8W	28480	0757-0928
A1R10	0698-5490		R:FXD MET FLM 2K OHM 1% 1/8W	28480	0698-5490
A1R11	0757-0280		R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A1R12	0757-0847	1	R:FXD MET FLM 27.4K OHM 1% 1/2W	28480	0757-0847
A1R13	0757-0416	1	R:FXD MET FLM 511 OHM 1% 1/8W	28480	0757-0416
A1R14	0757-0818	1	R:FXD MET FLM 825 OHM 1% 1/2W	28480	0757-0818
A1R15	0761-0021	4	R:FXD MET OX 1000 OHM 5% 1W	28480	0761-0021
A1R16	0761-0021		R:FXD MET OX 1000 OHM 5% 1W	28480	0761-0021
A1R17	0757-0732	2	R:FXD MET FLM 909 OHM 1% 1/4W	28480	0757-0732
A1R18	0757-0825	2	R:FXD MET FLM 2.21K OHM 1% 1/2W	28480	0757-0825
A1R19	0698-3150	1	R:FXD MET FLM 2.37K OHM 1% 1/8W	28480	0698-3150
A1R20	0757-0900	2	R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A1R21	0757-0945	2	R:FXD FLM 7.5K OHM 2% 1/8W	28480	0757-0945
A1R22	0757-0159	1	R:FXD MET FLM 1000 OHM 1% 1/2W	28480	0757-0159
A1R23	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A1R24	0757-0945		R:FXD FLM 7.5K OHM 2% 1/8W	28480	0757-0945
A1R25	0761-0021		R:FXD MET OX 1000 OHM 5% 1W	28480	0761-0021
A1R26	0761-0021		R:FXD MET OX 1000 OHM 5% 1W	28480	0761-0021
A1R27	0757-0732		R:FXD MET FLM 909 OHM 1% 1/4W	28480	0757-0732
A1R28	0757-0825		R:FXD MET FLM 2.21K OHM 1% 1/2W	28480	0757-0825
A2	05460-60002	2	BOARD ASSY:DAC	28480	05460-60002
A2C1	0160-2204	44	C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C2	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C3	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C4	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C5	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C6	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C7	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C8	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C9	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C10	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C11	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C12	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C13	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C14	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C15	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C16	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C17	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C18	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C19	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C20	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C21	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C22	0160-2204		C:FXD MICA 100PF 5%	72136	RD15F101J3C
A2C23	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2C24	0140-0208	2	C:FXD NICA 680 PF 5%	72136	RDM15F681J3C
A2C25	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C26	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C27	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C28	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C29	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C30	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C31	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C32	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C33	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A2C34	0160-0154	5	C:FXD NICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A2C35	0160-0160		C:FXD MY 0.0082 UF 10% 200VDCW	56289	192P82292-PTS
A2CR1	1901-0040	2	DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR2	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR3	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR4	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR5	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR6	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR7	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR8	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR9	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR10	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR11	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR12	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR13	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR14	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR15	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR16	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2CR17	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A2IC1	1820-0201	2	INTEGRATED CIRCUIT:OPERATIONAL AMPL	06713	MC1439G
A2IC2	1820-0077	17	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A2IC3	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A2IC4	1820-0077	7	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A2IC5	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A2IC6	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A2IC7	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A2IC8	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A2IC9	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A2IC10	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A2Q1	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q2	1854-0326	22	TSTR:SI NPN	28480	1854-0326
A2Q3	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q4	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q5	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q6	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q7	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q8	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q9	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q10	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q11	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q12	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q13	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q14	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q15	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q16	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q17	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q18	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q19	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q20	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q21	1853-0088		TSTR:SI PNP	28480	1853-0088
A2Q22	1854-0326		TSTR:SI NPN	28480	1854-0326
A2Q23	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A2Q24	1853-0020	82	TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A2R1	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R2	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R3	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R4	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R5	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R6	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R7	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R8	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R9	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R10	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R11	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A2R12	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2R13	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R14	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R15	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R16	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R17	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R18	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R19	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R20	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R21	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R22	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R23	0683-3025	41	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A2R24	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A2R25	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A2R26	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A2R27	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A2R28	0757-0926	22	R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R29	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R30	0757-0925	22	R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R31	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R32	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R33	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R34	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R35	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R36	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R37	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R38	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R39	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R40	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R41	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R42	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R43	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R44	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R45	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R46	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R47	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R48	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R49	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R50	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R51	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R52	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R53	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R54	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R55	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R56	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R57	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R58	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R59	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R60	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R61	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R62	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R63	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R64	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R65	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R66	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R67	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R68	0757-0926		R:FXD FLN 1.2K OHM 2% 1/8W	28480	0757-0926
A2R69	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A2R70	0757-0925		R:FXD FLN 1.1K OHM 2% 1/8W	28480	0757-0925
A2R71	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A2R72	0811-1398	10	R:FXD WW 20K OHM 0.05% 1/32W	28480	0811-1398
A2R73	0811-1398		R:FXD WW 20K OHM 0.05% 1/32W	28480	0811-1398
A2R74	0811-1398		R:FXD WW 20K OHM 0.05% 1/32W	28480	0811-1398
A2R75	0811-1398		R:FXD WW 20K OHM 0.05% 1/32W	28480	0811-1398
A2R76	0811-1398		R:FXD WW 20K OHM 0.05% 1/32W	28480	0811-1398
A2R77	0757-0449	14	R:FXD FLN 20K OHM 1% 1/8W	28480	0757-0449
A2R78	0757-0449		R:FXD FLN 20K OHM 1% 1/8W	28480	0757-0449
A2R79	0757-0449		R:FXD FLN 20K OHM 1% 1/8W	28480	0757-0449
A2R80	0757-0449		R:FXD FLN 20K OHM 1% 1/8W	28480	0757-0449
A2R81	0757-0449		R:FXD FLN 20K OHM 1% 1/8W	28480	0757-0449
A2R82	0757-0449		R:FXD FLN 20K OHM 1% 1/8W	28480	0757-0449
A2R83	0811-1397	10	R:FXD WW 10K OHM 0.05% 1/32W	28480	0811-1397
A2R84	0811-1397		R:FXD WW 10K OHM 0.05% 1/32W	28480	0811-1397
A2R85	0811-1397		R:FXD WW 10K OHM 0.05% 1/32W	28480	0811-1397
A2R86	0811-1397		R:FXD WW 10K OHM 0.05% 1/32W	28480	0811-1397
A2R87	0811-1397		R:FXD WW 10K OHM 0.05% 1/32W	28480	0811-1397

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2R88	0757-0442	10	R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A2R89	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A2R90	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A2R91	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A2R92	0757-0442		R:FXD MET FLM 10.0K OHM 1% 1/8W	28480	0757-0442
A2R93	0757-0449	2	R:FXD FLM 20K OHM 1% 1/8W	28480	0757-0449
A2R94	0757-0936		R:FXD FLM 3.3K OHM 2% 1/8W	28480	0757-0936
A2R95	0698-5490		R:FXD MET FLM 2K OHM 1% 1/8W	28480	0698-5490
A2R96	0698-5490	4	R:FXD MET FLM 2K OHM 1% 1/8W	28480	0698-5490
A2R97	0757-0933		R:FXD FLM 2.4K OHM 2% 1/8W	28480	0757-0933
A2R98	0698-4002	4	R:FXD MET FLM 5K OHM 1% 1/8W	28480	0698-4002
A2R99	0698-4002		R:FXD MET FLM 5K OHM 1% 1/8W	28480	0698-4002
A2R100	0757-0278	2	R:FXD MET FLM 1.78K OHM 1% 1/8W	28480	0757-0278
A2R101	0757-0274	2	R:FXD MET FLM 1.21K OHM 1% 1/8W	28480	0757-0274
A2R102	0698-5490		R:FXD MET FLM 2K OHM 1% 1/8W	28480	0698-5490
A2R103	0757-0428	2	R:FXD MET FLM 1.62K OHM 1% 1/8W	28480	0757-0428
A2R104	0698-3151	2	R:FXD MET FLM 2.87K OHM 1% 1/8W	28480	0698-3151
A2R105	0683-3915	2	R:FXD COMP 390 OHM 5% 1/4W	01121	C8 3915
A2R106	0683-1035	15	R:FXD COMP 10K OHM 5% 1/4W	01121	C8 1035
A2R107	2100-1656	2	R:VAR WW 500 OHM 10% 1W	28480	2100-1656
A2R108	0757-0398	2	R:FXD MET FLM 75 OHM 1% 1/8W	28480	0757-0398
A2R109	0698-3443	2	R:FXD MET FLM 287 OHM 1% 1/8W	28480	0698-3443
A2R110	0698-0082	2	R:FXD MET FLM 464 OHM 1% 1/8W	28480	0698-0082
A2R111	0757-0280	8	R:FXD MET FLM 1K OHM 1% 1/8W	28480	0757-0280
A2R112	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	C8 4725
A2R113	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	C8 4725
A2R114	0757-0424	2	R:FXD MET FLM 1.10K OHM 1% 1/8W	28480	0757-0424
A2R115	0757-0941	2	R:FXD FLM 5.1K OHM 2% 1/8W	28480	0757-0941
A2R116	2100-2522	2	R:VAR CERMET 10K OHM 10% LIN 1/2W	28480	2100-2522
A3			SAME AS A2, USE PREFIX A3		
A4	05460-60003	1	BOARD ASSY:WORD STORAGE	28480	05460-60003
A4C1	0180-0291	6	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A4C2	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A4C3	0160-0157		C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A4C4	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A4C5	0160-0157	15	C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A4C6	0160-0157		C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A4C7	0160-0157		C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A4IC1	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A4IC2	1820-0054	3	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC4	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A4IC5	1820-0068	9	IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A4IC6	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC7	1820-0116		IC:4-BIT BUFF STORE GATED OUTS	28480	1820-0116
A4IC8	1820-0116	6	IC:4-BIT BUFF STORE GATED OUTS	28480	1820-0116
A4IC9	1820-0116		IC:4-BIT BUFF STORE GATED OUTS	28480	1820-0116
A4IC10	1820-0116		IC:4-BIT BUFF STORE GATED OUTS	28480	1820-0116
A4IC11	1820-0116		IC:4-BIT BUFF STORE GATED OUTS	28480	1820-0116
A4IC12	1820-0116		IC:4-BIT BUFF STORE GATED OUTS	28480	1820-0116
A4R1	0683-3025	6	R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R2	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	C8 2715
A4R3	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R4	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	C8 1025
A4R5	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	C8 1025
A4R6	0683-3025	6	R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R7	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	C8 2715
A4R8	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	C8 2715
A4R9	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	C8 2715
A4R10	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R11	0683-3025	6	R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R12	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R13	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R14	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R15	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R16	0683-3025	6	R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R17	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R18	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R19	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R20	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R21	0683-3025	6	R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R22	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R23	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R24	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025
A4R25	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	C8 3025

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A4R26	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R27	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R28	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R29	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R30	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5	05460-60004	1	BOARD ASSY:CONTROL	28480	05460-60004
A5C1	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A5C2	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A5C3	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A5C4	0160-2218	1	C:FXD MICA 1000 PF 5%	28480	0160-2218
A5C5	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A5C6	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A5C7	0160-0157		C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A5C8	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A5C9	0160-0157		C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A5C10	0160-0155	5	C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A5C11	0170-0066		C:FXD MY 0.027 UF 10% 200VDCW	56289	192P27392-PTS
A5C12	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A5C13	0160-0161	1	C:FXD MY 0.01 UF 10% 200VDCW	56289	192P10392-PTS
A5C14	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A5CR1	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR2	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR3	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR4	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR5	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR6	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR7	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR8	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR9	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR10	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR11	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR12	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR13	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR14	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR15	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR16	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5CR17	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A5IC1	1820-0077	1	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A5IC2	1820-0328		IC:TTL QUAD 2-INPUT NOR GATE	01295	SN4467
A5IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC4	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC5	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC6	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A5IC7	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC8	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC9	1820-0071	3	IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A5IC10	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC11	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A5IC12	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC13	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A5IC14	1820-0071		IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A5IC15	1820-0071		IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A5IC16	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A5IC17	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5IC18	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A5K1	0490-0399	1	RELAY:REED ASSY, 1200 OHM 12VDC	28480	0490-0399
A5Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A5Q2	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A5Q3	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A5Q4	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A5Q5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A5Q6	1854-0092	4	TSTR:SI NPN	80131	2N3563
A5Q7	1854-0092		TSTR:SI NPN	80131	2N3563
A5Q8	1854-0092		TSTR:SI NPN	80131	2N3563
A5Q9	1854-0092		TSTR:SI NPN	80131	2N3563
A5Q10	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A5Q11	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A5Q12	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A5Q13	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A5R1	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R2	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R3	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R4	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R5	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R6	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A5R7	0683-1025	2	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R8	0683-2725		R:FXD COMP 2700 OHM 5% 1/4W	01121	CB 2725
A5R9	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R10	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R11	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R12	0683-3025	1	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R13	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R14	0683-6835		R:FXD COMP 68K OHM 5% 1/4W	01121	CB 6835
A5R15	0683-1635		R:FXD COMP 16K OHM 5% 1/4W	01121	CB 1635
A5R16	0683-3925		R:FXD COMP 3900 OHM 5% 1/4W	01121	CB 3925
A5R17	0683-1025	1	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R18	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A5R19	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R20	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R21	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A5R22	0683-1025	1	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R23	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R24	0683-3335		R:FXD COMP 33K OHM 5% 1/4W	01121	CB 3335
A5R25	0683-8225		R:FXD COMP 8200 OHMS 5% 1/4W	01121	CB 8225
A5R26	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R27	0683-2025	2	R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A5R28	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R29	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R30	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R31	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R32	0683-3025	1	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R33	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R34	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R35	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A5R36	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A5R37	0683-2215	3	R:FXD COMP 220 OHM 5% 1/4W	01121	CB 2215
A5R38	0698-4248		R:FXD FLM 560 OHM 5% 1/8W	28480	0698-4248
A5R39	0698-4262		R:FXD FLM 2.2K OHM 5% 1/8W	28480	0698-4262
A5R40	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R41	0698-4248		R:FXD FLM 560 OHM 5% 1/8W	28480	0698-4248
A5R42	0757-0924	1	R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A5R43	0683-2215		R:FXD COMP 220 OHM 5% 1/4W	01121	CB 2215
A5R44	0698-4248		R:FXD FLM 560 OHM 5% 1/8W	28480	0698-4248
A5R45	0698-4262		R:FXD FLM 2.2K OHM 5% 1/8W	28480	0698-4262
A5R46	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R47	0698-4248	1	R:FXD FLM 560 OHM 5% 1/8W	28480	0698-4248
A5R48	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R49	0683-5135		R:FXD COMP 51K OHM 5% 1/4W	01121	CB 5135
A5R50	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R51	0683-2215		R:FXD COMP 220 OHM 5% 1/4W	01121	CB 2215
A5R52	0683-5115	4	R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A5R53	0683-5115		R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A5R54	0683-5115		R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A5R55	0683-5115		R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A5R56	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R57	0683-1025	1	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R58	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A5R59	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5R60	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A6	05460-60005	1	BOARD ASSY:REFERENCE POWER SUPPLY	28480	05460-60005
A6C1	0180-1743	4	C:FXD ELECT 0.1 UF 10% 35VDCW	56289	150D104X9035A2-DYS
A6C2	0180-1746		C:FXD ELECT 15 UF 10% 20VDCW	28480	0180-1746
A6C3	0180-1743		C:FXD ELECT 0.1 UF 10% 35VDCW	56289	150D104X9035A2-DYS
A6C4	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A6C5	0180-1743		C:FXD ELECT 0.1 UF 10% 35VDCW	56289	150D104X9035A2-DYS
A6C6	0180-1743	1	C:FXD ELECT 0.1 UF 10% 35VDCW	56289	150D104X9035A2-DYS
A6C7	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A6C8	0180-0061		C:FXD ELECT 100UF +100%-10% 15VDCW	56289	30107G015004
A6CR1	1902-0071		DIODE:BREAKDOWN 9.0V 5%	28480	1902-0071
A6L1	9140-0047		CHOKE:RF 20 UH 10% 2.5MHZ	81242	15U-200K
A6Q1	1854-0003	1	TSTR:SI NPN(SELECTED FROM 2N1711)	28480	1854-0003
A6Q2	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A6Q3	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A6Q4	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A6R1	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A6R2	0757-0907	3	R:FXD FLM 200 OHM 2% 1/8W	28480	0757-0907
A6R3	0757-0907		R:FXD FLM 200 OHM 2% 1/8W	28480	0757-0907
A6R4	0683-6815	1	R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A6R5	0683-5125	2	R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A6R6	0683-1335	1	R:FXD COMP 13K OHM 5% 1/4W	01121	CB 1335

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A6R7	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A6R8	0757-0907		R:FXD FLN 200 OHM 2% 1/8W	28480	0757-0907
A6R9	2100-1757	1	R:VAR WM 500 OHM 5% TYPE V 1W	28480	2100-1757
A6R10	0757-0939	1	R:FXD FLN 4.3K OHM 2% 1/8W	28480	0757-0939
A7C1			NOT ASSIGNED		
A7C2	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A7C3	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A7C4	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A7C5	0160-0134	1	C:FXD MICA 220PF 5% 300VDCW	14655	RDH15F221J3C
A7C6	0180-0376	1	C:FXD ELECT 0.47 UF 10% 35VDCW	56289	150D474X9035A2-DYS
A7C7	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A7C8	0150-0121	1	C:FXD CER 0.1 UF +80-20% 50VDCW	56289	5C50B1S-CML
A7C9	0160-2214	1	C:FXD MICA 680 PF 5%	28480	0160-2214
A7C10	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A7CR1	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A7CR2	1902-3182	1	DIODE BREAKDOWN:SILICON 12.1V 5%	28480	1902-3182
A7CR3	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A7IC1	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A7IC2	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A7L1	9140-0018	1	COIL:FXD 1UH	99848	205-11-10
A7L2	9140-0047		CHOKERF 20 UH 10% 2.5MHZ	81242	15U-200K
A7L3	9140-0047		CHOKERF 20 UH 10% 2.5MHZ	81242	15U-200K
A7Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q2	1853-0036	2	TSTR:SI PNP	80131	2N3906
A7Q3	1853-0036		TSTR:SI PNP	80131	2N3906
A7Q4	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q5	1855-0010	1	TSTR:SI	80131	2N2646
A7Q6	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q7	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q8	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7R2	0757-0935	1	R:FXD FLN 3K OHM 2% 1/8W	28480	0757-0935
A7R3	0757-0948	4	R:FXD FLN 10K OHM 2% 1/8W	28480	0757-0948
A7R4	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A7R5	0757-0938	3	R:FXD FLN 3.9K OHM 2% 1/8W	28480	0757-0938
A7R6	0757-0912	2	R:FXD MET FLN 330 OHM 2% 1/8W	28480	0757-0912
A7R7	0757-0917	3	R:FXD FLN 510 OHM 2% 1/8W	28480	0757-0917
A7R8	2100-1773	1	R:VAR WM 1K OHM 5% TYPE H 1W	28480	2100-1773
A7R9	0757-0938		R:FXD FLN 3.9K OHM 2% 1/8W	28480	0757-0938
A7R10	0757-0921	2	R:FXD MET FLN 750 OHM 2% 1/8W	28480	0757-0921
A7R11	0757-0933		R:FXD FLN 2.4K OHM 2% 1/8W	28480	0757-0933
A7R12	0757-0948		R:FXD FLN 10K OHM 2% 1/8W	28480	0757-0948
A7R13	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A7R14	0757-0917		R:FXD FLN 510 OHM 2% 1/8W	28480	0757-0917
A7R15	0757-0909		R:FXD FLN 240 OHM 2% 1/8W	28480	0757-0909
A7R16	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A7R17	0757-0938		R:FXD FLN 3.9K OHM 2% 1/8W	28480	0757-0938
A7R18	0757-0917		R:FXD FLN 510 OHM 2% 1/8W	28480	0757-0917
A7R19	0757-0912		R:FXD MET FLN 330 OHM 2% 1/8W	28480	0757-0912
A7R20	0757-0893	1	R:FXD FLN 51 OHM 2% 1/8W	28480	0757-0893
A7R21	0757-0948		R:FXD FLN 10K OHM 2% 1/8W	28480	0757-0948
A7R22	0757-0966	1	R:FXD FLN 56K OHM 2% 1/8W	28480	0757-0966
A7R23	0757-0921		R:FXD MET FLN 750 OHM 2% 1/8W	28480	0757-0921
A7R24	0757-0933		R:FXD FLN 2.4K OHM 2% 1/8W	28480	0757-0933
A7R25	0757-0948		R:FXD FLN 10K OHM 2% 1/8W	28480	0757-0948
A7R26	0757-0955	1	R:FXD FLN 20K OHM 2% 1/8W	28480	0757-0955
A7R27	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A7R28	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A7R29	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A7R30	0757-0931		R:FXD FLN 2K OHM 2% 1/8W	28480	0757-0931
A7R31	0683-1505	1	R:FXD COMP 15 OHM 5% 1/4W	01121	CB 1505
A7R32	0757-0909		R:FXD FLN 240 OHM 2% 1/8W	28480	0757-0909
A8	05460-60006	1	BOARD ASSY:NIXIE DISPLAY	28480	05460-60006
A8C1	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A8C2	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A8DS1	1970-0012	1	ELECTRON TUBE:INDICATOR GAS+ AND - SYMB	28480	1970-0012
A8DS2	1970-0009	3	ELECTRON TUBE:INDICATOR 10 DIGIT	83594	85991
A8DS3	1970-0009		ELECTRON TUBE:INDICATOR 10 DIGIT	83594	85991
A8DS4	1970-0009		ELECTRON TUBE:INDICATOR 10 DIGIT	83594	85991
A8DS5	2140-0213	9	LAMP: INCANDESCENT		
A8DS6	2140-0213		LAMP: INCANDESCENT		
A8DS7	2141-0213		LAMP: INCANDESCENT		
A8DS8	2140-0213		LAMP: INCANDESCENT		
A8DS9	2140-0213		LAMP: INCANDESCENT		
A8DS10	2140-0213		LAMP: INCANDESCENT		
A8DS11	2140-0213		LAMP: INCANDESCENT		

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A8DS12	2140-0231	3	IC:TTL DUAL D FF (LATCH) INTEGRATED CIRCUIT:DECODER-DIVIDER INTEGRATED CIRCUIT:DECODER-DIVIDER	01295	SN4354
A8DS13	2140-0231			28480	1820-0092
A8IC1	1820-0077			28480	1820-0092
A8IC2	1820-0092				
A8IC3	1820-0092				
A8IC4	1820-0092		INTEGRATED CIRCUIT:DECODER-DIVIDER IC:TTL QUAD 2-INPUT NAND GATE IC:4-BIT BUFF STORE GATED OUTS IC:4-BIT BUFF STORE GATED OUTS IC:4-BIT BUFF STORE GATED OUTS	28480	1820-0092
A8IC5	1820-0054			01295	SN4342
A8IC6	1820-0116			28480	1820-0116
A8IC7	1820-0116			28480	1820-0116
A8IC8	1820-0116			28480	1820-0116
A8R1	0683-2715		R:FXD COMP 270 OHM 5% 1/4W R:FXD COMP 270 OHM 5% 1/4W R:FXD COMP 4700 OHM 5% 1/4W R:FXD COMP 4700 OHM 5% 1/4W R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 2715
A8R2	0683-2715			01121	CB 2715
A8R3	0683-4725			01121	CB 4725
A8R4	0683-4725			01121	CB 4725
A8R5	0683-4725			01121	CB 4725
A8R6	0683-1035		R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W SOCKET:TUBE 12 CONTACT	01121	CB 1035
A8R7	0683-1035			01121	CB 1035
A8R8	0683-1035			01121	CB 1035
A8R9	0683-1035			01121	CB 1035
A8X1	1200-0413			83594	SK-144A
A8X2	1200-0413	4	SOCKET:TUBE 12 CONTACT SOCKET:TUBE 12 CONTACT SOCKET:TUBE 12 CONTACT BOARD ASSY:LIGHT DRIVER C:FXD ELECT 10UF-10%+100% 150VDCW	83594	SK-144A
A8X3	1200-0413			83594	SK-144A
A8X4	1200-0413			83594	SK-144A
A9	05460-60007			28480	05460-60007
A9C1	0180-0089			56289	30D106G150DF4
A9CR1	1901-0040	1	DIODE:SILICON 30MA 30MV DIODE:SILICON 30MA 30MV DIODE:SILICON 30MA 30MV DIODE BREAKDOWN:30.1V DIODE:BREAKDOWN 20.0V 5% 1W	07263	FDG1088
A9CR2	1901-0040			07263	FDG1088
A9CR3	1901-0040			07263	FDG1088
A9CR4	1902-0244			28480	1902-0244
A9CR5	1902-0556			28480	1902-0556
A9CR6	1902-0556	4	DIODE:BREAKDOWN 20.0V 5% 1W DIODE:SILICON 0.75A 400PIV DIODE:SILICON 0.75A 400PIV DIODE:SILICON 0.75A 400PIV DIODE:SILICON 0.75A 400PIV	28480	1902-0556
A9CR7	1901-0028			04713	SR1358-9
A9CR8	1901-0028			04713	SR1358-9
A9CR9	1901-0028			04713	SR1358-9
A9CR10	1901-0028			04713	SR1358-9
A9CR11	1901-0040		DIODE:SILICON 30MA 30MV TSTR:SI NPN(SELECTED FROM 2N3704) TSTR:SI NPN(SELECTED FROM 2N3704) TSTR:SI NPN(SELECTED FROM 2N3704) TSTR:SI NPN(SELECTED FROM 2N3704)	07263	FDG1088
A9Q1	1854-0071			28480	1854-0071
A9Q2	1854-0071			28480	1854-0071
A9Q3	1854-0071			28480	1854-0071
A9Q4	1854-0071			28480	1854-0071
A9Q5	1854-0039		TSTR:SI NPN TSTR:SI NPN TSTR:SI NPN TSTR:SI NPN TSTR:SI NPN(SELECTED FROM 2N3704)	80131	2N3053
A9Q6	1854-0039			80131	2N3053
A9Q7	1854-0039			80131	2N3053
A9Q8	1854-0039			80131	2N3053
A9Q9	1854-0071			28480	1854-0071
A9Q10	1854-0071	1	TSTR:SI NPN(SELECTED FROM 2N3704) TSTR:SI NPN(SELECTED FROM 2N3704) TSTR:SI NPN(SELECTED FROM 2N3704) TSTR:SI NPN TSTR:SI NPN	28480	1854-0071
A9Q11	1854-0071			28480	1854-0071
A9Q12	1854-0071			28480	1854-0071
A9Q13	1854-0022			07263	S17843
A9Q14	1854-0039			80131	2N3053
A9Q15	1854-0039	2	TSTR:SI NPN TSTR:SI NPN TSTR:SI NPN R:FXD MET OX 2700 OHM 5% 1W R:FXD MET OX 2700 OHM 5% 1W	80131	2N3053
A9Q16	1854-0039			80131	2N3053
A9Q17	1854-0039			80131	2N3053
A9R1	0761-0027			28480	0761-0027
A9R2	0761-0027			28480	0761-0027
A9R3	0683-1035		R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 2700 OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A9R4	0683-1035			01121	CB 1035
A9R5	0683-2725			01121	CB 2725
A9R6	0683-1035			01121	CB 1035
A9R7	0683-1035			01121	CB 1035
A9R8	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W R:FXD COMP 1000 OHM 5% 1/4W R:FXD COMP 1000 OHM 5% 1/4W R:FXD COMP 1000 OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1025
A9R9	0683-1025			01121	CB 1025
A9R10	0683-1025			01121	CB 1025
A9R11	0683-1025			01121	CB 1025
A9R12	0683-1035			01121	CB 1035
A9R13	0683-1035		R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 10K OHM 5% 1/4W R:FXD COMP 1000 OHM 5% 1/4W R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1035
A9R14	0683-1035			01121	CB 1035
A9R15	0683-1035			01121	CB 1035
A9R16	0683-1025			01121	CB 1025
A9R17	0683-1025			01121	CB 1025
A9R18	0683-1025	2	R:FXD COMP 1000 OHM 5% 1/4W R:FXD COMP 1000 OHM 5% 1/4W R:FXD COMP 1000 OHM 5% 1/4W CHASSIS PARTS DIODE:SILICON 0.75A 50PIV	01121	CB 1025
A9R19	0683-1025			01121	CB 1025
A9R20	0683-1025			01121	CB 1025
A0					
CR1	1901-0049			04713	SR1358-6

See introduction to this section for ordering information

Table 5-2. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
CR2	1901-0049		DIODE:SILICON 0.75A 50PIV	04713	SR1358-6
CR3	1901-0200	1	DIODE:SILICON 100 PIV 3A	02735	1N4998
P1	1251-0136	1	CONNECTOR:32 PIN MALE	02660	26-4100-32P
P2	05431-2020	1	BOARD:VERTICAL CONNECTOR	28480	05431-2020
P3	1251-0101	2	CONNECTOR:R & P 50 CONTACT	02660	57-20500-375
P4	1251-0101		CONNECTOR:R & P 50 CONTACT	02660	57-20500-375
R1	2100-2817	1	R:VAR COMP 1K OHM 20% LIN 1/2W	28480	2100-2817
R2	2100-2819	1	R:VAR COMP 2.5K OHM 20% LIN 1/2W	28480	2100-2819
R3	2100-2661	1	R:VAR COMP 1K OHM 20% LIN 1/2W	28480	2100-2661
R4	2100-2818	1	R:VAR COMP 1K OHM 20% LIN 1/2W	28480	2100-2818
R5	0757-0922	1	R:FXD FLN 820 OHM 2% 1/8W	28480	0757-0922
S1	3100-2628	1	SWITCH:ROTARY	28480	3100-2628
S2	3100-2629	1	SWITCH:ROTARY	28480	3100-2629
S3	3100-2630	1	SWITCH:ROTARY	28480	3100-2630
S4	3100-2076	6	SWITCH:LEVER	28480	3100-2076
S5	3100-2076		SWITCH:LEVER	28480	3100-2076
S6	3100-2076		SWITCH:LEVER	28480	3100-2076
S7	3100-2076		SWITCH:LEVER	28480	3100-2076
S8	3100-2076		SWITCH:LEVER	28480	3100-2076
S9	3100-2076		SWITCH:LEVER	28480	3100-2076
S10			PART OF R4		
S11	3101-0070	1	SWITCH:SLIDE	79727	G-126
T1	9100-2856	1	TRANSFORMER	28480	9100-2856
XA1	1251-0160	3	CONNECTOR:15 PIN	28480	1251-0160
XA2	1251-0159	12	CONNECTOR:2X15 CONTACT	28480	1251-0159
XA3	1251-0159		CONNECTOR:2X15 CONTACT	28480	1251-0159
XA4	1251-0159		CONNECTOR:2X15 CONTACT	28480	1251-0159
XA5	1251-0159		CONNECTOR:2X15 CONTACT	28480	1251-0159
XA6	1251-0160		CONNECTOR:15 PIN	28480	1251-0160
XA7	1251-0160		CONNECTOR:15 PIN	28480	1251-0160
XA8	1251-0159		CONNECTOR:2X15 CONTACT	28480	1251-0159
XA9	1251-0159		CONNECTOR:2X15 CONTACT	28480	1251-0159
Y			MISCELLANEOUS		
Y	0370-0104	3	KNOB:BLK BAR W/ARROW 1/4" SHAFT	28480	0370-0104
Y	0370-0380	2	KNOB:SKIRTED BLK 0.625" DIA	28480	0370-0380
Y	0370-0151	1	KNOB:ROUND FOR 0.125" DIA SHAFT	28480	0370-0151
Y	0370-0432	6	KNOB:BLACK LEVER	28480	0370-0432
Y	0590-0043	1	NUT:HEX 1/4 X 32 INTERNAL THREAD	00866	08D
Y	1410-0114	1	BUSHING:PANEL	28480	1410-0114
Y	3030-0253	2	SCREW:SOCKET CAP 4-40 X 0.250" LG	00000	08D
Y	7120-0004	1	NAMEPLATE:SERIAL	28480	7120-0004
Y	5040-0170	16	GUIDE:PLUG-IN PC BOARD	28480	5040-0170
Y	05243-2015	1	KNOB	28480	05243-2015
Y	05431-0004	1	GUIDE:LEFT SIDE	28480	05431-0004
Y	05431-0005	1	GUIDE:RIGHT SIDE	28480	05431-0005
Y	05431-0011	1	PANEL:REAR	28480	05431-0011
Y	05431-2009	1	SUPPORT:BOTTOM	28480	05431-2009
Y	05431-2010	2	STRUT:BOTTOM	28480	05431-2010
Y	05431-2014	1	ROD:LATCH	28480	05431-2014
Y	05431-6009	1	LATCH ASSY	28480	05431-6009
Y	05460-00001	1	PANEL:SUB	28480	05460-00001
Y	05460-00002	1	PANEL:FRONT	28480	05460-00002
Y	05460-00003	1	CHASSIS	28480	05460-00003
Y	05460-00004	1	COVER:BOTTOM	28480	05460-00004
Y	05460-20013	1	STRUT:TOP LEFT	28480	05460-20013
Y	05460-20014	1	STRUT:TOP RIGHT	28480	05460-20014
Y	05460-20015	1	EXTRUSION:FRONT	28480	05460-20015
Y	05460-20016	2	SPACER:CHASSIS	28480	05460-20016
Z	05460-20017	1	WINDOW:FRONT PANEL	28480	05460-20017
Z	05460-20018	1	CLAMP BOARD	28480	05460-20018
Z	05460-60012	1	CABLE ASSY:LACED	28480	05460-60012

See introduction to this section for ordering information

Table 5-3. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1	05465-60001	1	BOARD ASSY:INPUT BUFFER	28480	05465-60001
A1C1	0180-0210	2	C:FXD ELECT 3.3 UF 20% 15VDCW	56289	1500335X0015A2-DYS
A1C2	0180-0291	12	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A1C3	0160-0154	14	C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A1C4	0140-0209	1	C:FXD MICA 5.0 PF 10%	28480	0140-0209
A1C5	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A1C6	0180-0210		C:FXD ELECT 3.3 UF 20% 15VDCW	56289	1500335X0015A2-DYS
A1C7	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A1C8	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A1C9	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A1C10	0180-0155	3	C:FXD ELECT 2.2 UF 20% 20VDCW	56289	1500225X0020A2-DYS
A1C11	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A1C12	0140-0198	3	C:FXD MICA 200 PF 5%	72136	RDM15F201J3C
A1C13	0140-0198		C:FXD MICA 200 PF 5%	72136	RDM15F201J3C
A1C14	0160-2197	7	C:FXD MICA 10 PF 5%	72136	RDM15C100J3C
A1C15	0140-0198		C:FXD MICA 200 PF 5%	72136	RDM15F201J3C
A1C16	0160-0156	1	C:FXD MY 0.0039 UF 10% 200VDCW	56289	192P39292-PTS
A1CR1	1901-0156	3	DIODE:SILICON	28480	1901-0156
A1CR2	1901-0156		DIODE:SILICON	28480	1901-0156
A1CR3	1902-3104	2	DIODE:BREAKDOWN 5.62V 5%	04713	S210939-110
A1CR4	1902-3104		DIODE:BREAKDOWN 5.62V 5%	04713	S210939-110
A1CR5	1902-0071	1	DIODE:BREAKDOWN 9.0V 5%	28480	1902-0071
A1CR6	1901-0156		DIODE:SILICON	28480	1901-0156
A1E1	0960-0049	2	OPERATIONAL AMPLIFIER	28480	0960-0049
A1E2	0960-0049		OPERATIONAL AMPLIFIER	28480	0960-0049
A1E3	0960-0025	1	OPERATING AMPLIFIER	28480	0960-0025
A1IC1			THRU		
A1IC3			NOT ASSIGNED		
A1IC4	1820-0071	6	IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A1IC5	1820-0201	1	INTEGRATED CIRCUIT:OPERATIONAL AMPL	04713	MC1439G
A1IC6	1820-0054	31	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A1IC7	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A1IC8	1820-0327	8	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A1L1	9100-2272	2	COIL/CHOKE 47.0 UH 10%	28480	9100-2272
A1L2	9100-2272		COIL/CHOKE 47.0 UH 10%	28480	9100-2272
A1Q1	1853-0027	1	TSTR:SI PNP	07263	S1554S
A1Q2	1853-0020	8	TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A1Q3	1854-0071	21	TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1Q4	1854-0092	14	TSTR:SI NPN	80131	2N3563
A1Q5	1854-0092		TSTR:SI NPN	80131	2N3563
A1Q6	1854-0092		TSTR:SI NPN	80131	2N3563
A1Q7	1854-0020	1	TSTR:SI NPN	28480	1854-0020
A1Q8	1854-0092		TSTR:SI NPN	80131	2N3563
A1Q9	1853-0015	11	TSTR:SI PNP	80131	2N3640
A1Q10	1855-0020	7	TSTR:SI FET N-CHANNEL	28480	1855-0020
A1R1	0683-1025	30	R:FXD COMP 1000 OHM 5% 1/4W	01121	C8 1025
A1R2	0757-0963	1	R:FXD FLN 43K OHM 2% 1/8W	28480	0757-0963
A1R3	0757-0960	1	R:FXD FLN 33K OHM 2% 1/8W	28480	0757-0960
A1R4	2100-1761	1	R:VAR WM 10K OHM 5% TYPE V 1W	28480	2100-1761
A1R5	0683-3315	4	R:FXD COMP 330 OHM 5% 1/4W	01121	C8 3315
A1R6	0757-0945	1	R:FXD FLN 7.5K OHM 2% 1/8W	28480	0757-0945
A1R7	0683-1035	6	R:FXD COMP 10K OHM 5% 1/4W	01121	C8 1035
A1R8	0757-0941	5	R:FXD FLN 5.1K OHM 2% 1/8W	28480	0757-0941
A1R9	0757-0924	8	R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A1R10	0757-0957	2	R:FXD FLN 24K OHM 2% 1/8W	28480	0757-0957
A1R11	0757-0939	2	R:FXD FLN 4.3K OHM 2% 1/8W	28480	0757-0939
A1R12	0757-0939		R:FXD FLN 4.3K OHM 2% 1/8W	28480	0757-0939
A1R13	0757-0924		R:FXD MET FLN 1K OHM 2% 1/8W	28480	0757-0924
A1R14	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	C8 1035
A1R15	0757-0954	2	R:FXD FLN 18K OHM 2% 1/8W	28480	0757-0954
A1R16	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	C8 1025
A1R17	0757-0921	8	R:FXD MET FLN 750 OHM 2% 1/8W	28480	0757-0921
A1R18	0757-0916	5	R:FXD MET FLN 470 OHM 2% 1/8W	28480	0757-0916
A1R19	0757-0937	1	R:FXD FLN 3.6K OHM 2% 1/8W	28480	0757-0937
A1R20	0757-0942	1	R:FXD FLN 5.6K OHM 2% 1/8W	28480	0757-0942
A1R21	0757-0916		R:FXD MET FLN 470 OHM 2% 1/8W	28480	0757-0916
A1R22	0683-2025	11	R:FXD COMP 2000 OHM 5% 1/4W	01121	C8 2025
A1R23	0683-5125	12	R:FXD COMP 5100 OHM 5% 1/4W	01121	C8 5125
A1R24	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	C8 5125
A1R25	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	C8 5125
A1R26	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	C8 5125
A1R27	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	C8 5125
A1R28	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	C8 5125
A1R29	0683-3315		R:FXD COMP 330 OHM 5% 1/4W	01121	C8 3315
A1R30	0683-3315		R:FXD COMP 330 OHM 5% 1/4W	01121	C8 3315

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1R31	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A1R32	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A1R33	0683-3315		R:FXD COMP 330 OHM 5% 1/4W	01121	CB 3315
A1R34	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A1R35	0757-0921		R:FXD MET FLM 750 OHM 2% 1/8W	28480	0757-0921
A1R36	0811-1517	1	R:FXD WW 8000 OHM 0.1% 1/16W	28480	0811-1517
A1R37	2100-2910	1	R:VAR CERMET 100 OHM 10% 1W	28480	2100-2910
A1R38	0811-0436	1	R:FXD WW 400 OHM 0.1% 1/16W	28480	0811-0436
A1R39	0757-0944	3	R:FXD FLM 6.8K OHM 2% 1/8W	28480	0757-0944
A1R40	2100-1661	1	R:VAR WW 20K OHM 10% 1W	28480	2100-1661
A1R41	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A1R42	0683-2425	1	R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A1R43	0811-1233	2	R:FXD WW 1000 OHM 0.1% 1/16W	28480	0811-1233
A1R44	0811-1233		R:FXD WW 1000 OHM 0.1% 1/16W	28480	0811-1233
A1R45	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A1R46	2100-1662	1	R:VAR WW 50K OHM 10% 1W	28480	2100-1662
A1R47	2100-2859	2	R:VAR CERMET 1K OHM 10% TYPE P 1W	28480	2100-2859
A1R48	2100-2859		R:VAR CERMET 1K OHM 10% TYPE P 1W	28480	2100-2859
A1R49	0811-0377	2	R:FXD WW 4000 OHM 0.1% 1/16W	28480	0811-0377
A1R50	0811-0377		R:FXD WW 4000 OHM 0.1% 1/16W	28480	0811-0377
A1R51	0757-0964	1	R:FXD FLM 47K OHM 2% 1/8W	28480	0757-0964
A1R52	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A1R53	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A1R54	0683-1005	4	R:FXD COMP 10 OHM 5% 1/4W	01121	CB 1005
A2	05465-60002	1	BOARD ASSY:STRETCHER	28480	05465-60002
A2C1	0180-0137	1	C:FXD ELECT 100 UF 20% 10VDCW	56289	150D107X0010R2-DYS
A2C2	0180-0197	17	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C3	0160-0182	2	C:FXD MICA 47PF 5% 300VDCW	14655	RD15E470J35
A2C4	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C5	0150-0093	14	C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A2C6	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C7	0160-0182		C:FXD MICA 47PF 5% 300VDCW	14655	RD15E470J35
A2C8	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C9	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C10	0180-0234	2	C:FXD ELECT 33 UF 20% 75VDCW	56289	109D336X0075F2
A2C11	0180-0117	6	C:FXD ELECT 2.7 UF 10% 35VDCW	28480	0180-0117
A2C12	0180-0376	1	C:FXD ELECT 0.47 UF 10% 35VDCW	56289	150D474X9035A2-DYS
A2C13	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C14	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C15	0180-0234		C:FXD ELECT 33 UF 20% 75VDCW	56289	109D336X0075F2
A2C16	0180-0229	1	C:FXD ELECT 33 UF 10% 10VDCW	28480	0180-0229
A2C17	0160-0161	1	C:FXD MY 0.01 UF 10% 200VDCW	56289	192P10392-PTS
A2C18	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C19	0160-0179	1	C:FXD MICA 33 PF 5% 300VDCW	04062	DM15E330J 300V
A2C20	0180-0117		C:FXD ELECT 2.7 UF 10% 35VDCW	28480	0180-0117
A2C21	0180-0117		C:FXD ELECT 2.7 UF 10% 35VDCW	28480	0180-0117
A2C22	0140-0202	1	C:FXD MICA 15 PF 5% 500VDCW	28480	0140-0202
A2C23	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C24	0180-0117		C:FXD ELECT 2.7 UF 10% 35VDCW	28480	0180-0117
A2C25	0140-0177	1	C:FXD MICA 400 PF 1%	28480	0140-0177
A2C26	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C27	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C28	0180-0117		C:FXD ELECT 2.7 UF 10% 35VDCW	28480	0180-0117
A2C29	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C30	0180-0117		C:FXD ELECT 2.7 UF 10% 35VDCW	28480	0180-0117
A2C31	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2C32	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A2C33	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A2CR1	1901-0040	23	DIODE:SILICON 30MA 30MV	07263	FDG1088
A2CR2	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A2CR3	1901-0044	2	DIODE:SILICON 20MA/1V	28480	1901-0044
A2CR4	1901-0044		DIODE:SILICON 20MA/1V	28480	1901-0044
A2CR5	1902-3234	1	DIODE BREAKDOWN:19.6V 5%	28480	1902-3234
A2CR6	1902-0041	3	DIODE BREAKDOWN 5.11V 5%	04713	SZ10939-98
A2CR7	1902-0025	1	DIODE BREAKDOWN:10.0V 5% 400 MW	28480	1902-0025
A2CR8	1901-0179	1	DIODE:SILICON 15WV	28480	1901-0179
A2CR9	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A2CR10	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088
A2CR11	1902-0041		DIODE BREAKDOWN 5.11V 5%	04713	SZ10939-98
A2CR12	1912-0002	1	DIODE TUNNEL:EIA TYPE	03508	1N3716 SPEC
A2CR13	1902-0041		DIODE BREAKDOWN 5.11V 5%	04713	SZ10939-98
A2CR14	1902-3002	1	DIODE BREAKDOWN:2.37V 5%	28480	1902-3002
A2IC1	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A2Q1	1855-0020		TSTR:SI FET N-CHANNEL	28480	1855-0020
A2Q2	1854-0215	13	TSTR:SI NPN	80131	2N3904

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2Q3	1853-0036	20	TSTR:SI PNP	80131	2N3906
A2Q4	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q5	1855-0020		TSTR:SI FET N-CHANNEL	28480	1855-0020
A2Q6	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q7	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q8	1855-0020		TSTR:SI FET N-CHANNEL	28480	1855-0020
A2Q9	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q10	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q11	1855-0020		TSTR:SI FET N-CHANNEL	28480	1855-0020
A2Q12	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q13	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q14	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q15	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q16	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q17	1855-0020		TSTR:SI FET N-CHANNEL	28480	1855-0020
A2Q18	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q19	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q20	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q21	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q22	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q23	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q24	1855-0020		TSTR:SI FET N-CHANNEL	28480	1855-0020
A2Q25	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q26	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q27	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q28	1855-0049	1	TSTR:SI FET N-CHANNEL DUAL	28480	1855-0049
A2Q29	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q30	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q31	1855-0051	1	TSTR:SI FET N-CHANNEL	28480	1855-0051
A2Q32	1853-0034	1	TSTR:SI PNP(SELECTED FROM 2N3251)	28480	1853-0034
A2Q33	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A2Q34	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A2Q35	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A2Q36	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A2Q37	1850-0099	1	TSTR:GE PNP	80131	2N964
A2Q38	1854-0094	10	TSTR:SI NPN	80131	2N3646
A2Q39	1853-0015		TSTR:SI PNP	80131	2N3640
A2Q40	1853-0015		TSTR:SI PNP	80131	2N3640
A2R1	0683-0475	2	R:FXD COMP 4.7 OHM 5% 1/4W	01121	CB 47G5
A2R2	0698-4265	5	R:FXD FLN 3K OHM 5% 1/8W	28480	0698-4265
A2R3	0698-4272	8	R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R4	0698-4272		R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R5	0698-4272		R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R6	0698-4272		R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R7	0698-4272		R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R8	0698-4272	6	R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R9	0698-4272		R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R10	0758-0086		R:FXD FLN 100 OHM 5% 1/8W	28480	0758-0086
A2R11	0698-4272		R:FXD FLN 5.6K OHM 5% 1/8W	28480	0698-4272
A2R12	0698-4265		R:FXD FLN 3K OHM 5% 1/8W	28480	0698-4265
A2R13	0758-0125	9	R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R14	0698-4245	6	R:FXD FLN 390 OHM 5% 1/8W	28480	0698-4245
A2R15	0698-4245		R:FXD FLN 390 OHM 5% 1/8W	28480	0698-4245
A2R16	0757-0946		R:FXD FLN 8.2K OHM 2% 1/8W	28480	0757-0946
A2R17	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R18	0698-4245		R:FXD FLN 390 OHM 5% 1/8W	28480	0698-4245
A2R19	0698-4245		R:FXD FLN 390 OHM 5% 1/8W	28480	0698-4245
A2R20	0757-0946		R:FXD FLN 8.2K OHM 2% 1/8W	28480	0757-0946
A2R21	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R22	0698-4245		R:FXD FLN 390 OHM 5% 1/8W	28480	0698-4245
A2R23	0698-4246	1	R:FXD FLN 470 OHM 5% 1/8W	28480	0698-4246
A2R24	0698-4249	3	R:FXD FLN 620 OHM 5% 1/8W	28480	0698-4249
A2R25	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R26	0698-4245		R:FXD FLN 390 OHM 5% 1/8W	28480	0698-4245
A2R27	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R28	0698-4282	2	R:FXD MET OX 15K OHM 5% 1/4W	28480	0698-4282
A2R29	0698-4238	6	R:FXD FLN 200 OHM 5% 1/8W	28480	0698-4238
A2R30	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R31	0698-4254		R:FXD FLN 1K OHM 5% 1/8W	28480	0698-4254
A2R32	0698-4278		R:FXD FLN 10K OHM 5% 1/8W	28480	0698-4278
A2R33	0698-4238		R:FXD FLN 200 OHM 5% 1/8W	28480	0698-4238
A2R34	0698-4282	1	R:FXD MET OX 15K OHM 5% 1/4W	28480	0698-4282
A2R35	0757-0962		R:FXD FLN 39K OHM 2% 1/8W	28480	0757-0962
A2R36	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R37	0698-4286		R:FXD FLN 22K OHM 5% 1/8W	28480	0698-4286

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A2R38	0683-2705	2	R:FXD COMP 27 OHM 5% 1/4W	01121	CB 2705
A2R39	0683-2705		R:FXD COMP 27 OHM 5% 1/4W	01121	CB 2705
A2R40	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R41	0698-4254		R:FXD FLM 1K OHM 5% 1/8W	28480	0698-4254
A2R42	0698-4270	2	R:FXD FLM 4.7K OHM 5% 1/8W	28480	0698-4270
A2R43	0698-4243	2	R:FXD FLM 330 OHM 5% 1/8W	28480	0698-4243
A2R44	0758-0125		R:FXD TIN OX 430 OHM 5% 1/4W	28480	0758-0125
A2R45	0698-4243		R:FXD FLM 330 OHM 5% 1/8W	28480	0698-4243
A2R46	0698-4238		R:FXD FLM 200 OHM 5% 1/8W	28480	0698-4238
A2R47	0698-4270		R:FXD FLM 4.7K OHM 5% 1/8W	28480	0698-4270
A2R48	0683-1055	1	R:FXD COMP 1 MEGOHM 5% 1/4W	01121	CB 1055
A2R49	0698-4254		R:FXD FLM 1K OHM 5% 1/8W	28480	0698-4254
A2R50	2100-1777	1	R:VAR MW 20K OHM 5% TYPE H 1W	28480	2100-1777
A2R51	0757-0961	1	R:FXD FLM 36K OHM 2% 1/8W	28480	0757-0961
A2R52	0698-0084	1	R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A2R53	0758-0086		R:FXD FLM 100 OHM 5% 1/8W	28480	0758-0086
A2R54	0757-0428	1	R:FXD MET FLM 1.62K OHM 1% 1/8W	28480	0757-0428
A2R55	0757-0918	1	R:FXD FLM 560 OHM 2% 1/8W	28480	0757-0918
A2R56	0698-4247	1	R:FXD FLM 510 OHM 5% 1/8W	28480	0698-4247
A2R57	0758-0086		R:FXD FLM 100 OHM 5% 1/8W	28480	0758-0086
A2R58	0698-4273	1	R:FXD FLM 6.2K OHM 5% 1/8W	28480	0698-4273
A2R59	0698-4238		R:FXD FLM 200 OHM 5% 1/8W	28480	0698-4238
A2R60	0757-0928	4	R:FXD FLM 1.5K OHM 2% 1/8W	28480	0757-0928
A2R61	0698-4261	1	R:FXD FLM 2K OHM 5% 1/8W	28480	0698-4261
A2R62	0698-4266	1	R:FXD FLM 3.3K OHM 5% 1/8W	28480	0698-4266
A2R63	0698-4249		R:FXD FLM 620 OHM 5% 1/8W	28480	0698-4249
A2R64	0757-0946		R:FXD FLM 8.2K OHM 2% 1/8W	28480	0757-0946
A2R65	0698-4263	1	R:FXD FLM 2.4K OHM 5% 1/8W	28480	0698-4263
A2R66	0698-4238		R:FXD FLM 200 OHM 5% 1/8W	28480	0698-4238
A2R67	0758-0086		R:FXD FLM 100 OHM 5% 1/8W	28480	0758-0086
A2R68	0758-0124	3	R:FXD FLM 51 OHM 5% 1/8W	28480	0758-0124
A2R69	0698-4265		R:FXD FLM 3K OHM 5% 1/8W	28480	0698-4265
A2R70	0758-0086		R:FXD FLM 100 OHM 5% 1/8W	28480	0758-0086
A2R71	0698-4251	1	R:FXD FLM 750 OHM 5% 1/8W	28480	0698-4251
A2R72	0683-0475		R:FXD COMP 4.7 OHM 5% 1/4W	01121	CB 47G5
A2R73	0698-4240	1	R:FXD FLM 240 OHM 5% 1/8W	28480	0698-4240
A2R74	0758-0124		R:FXD FLM 51 OHM 5% 1/8W	28480	0758-0124
A2R75	0757-0895	1	R:FXD FLM 62 OHM 2% 1/8W	28480	0757-0895
A2R76	0698-4238		R:FXD FLM 200 OHM 5% 1/8W	28480	0698-4238
A2R77	0698-4265		R:FXD FLM 3K OHM 5% 1/8W	28480	0698-4265
A2R78	0683-4705	3	R:FXD COMP 47 OHM 5% 1/4W	01121	CB 4705
A2R79	0698-4265		R:FXD FLM 3K OHM 5% 1/8W	28480	0698-4265
A2R80	0757-0957		R:FXD FLM 24K OHM 2% 1/8W	28480	0757-0957
A2R81	0758-0086		R:FXD FLM 100 OHM 5% 1/8W	28480	0758-0086
A2R82	0698-4257	1	R:FXD FLM 1.3K OHM 5% 1/8W	28480	0698-4257
A2R83	0757-0906	3	R:FXD MET FLM 180 OHM 2% 1/8W	28480	0757-0906
A2R84	0698-4235	1	R:FXD FLM 150 OHM 5% 1/8W	28480	0698-4235
A2R85	0698-4254		R:FXD FLM 1K OHM 5% 1/8W	28480	0698-4254
A2R86	0758-0124		R:FXD FLM 51 OHM 5% 1/8W	28480	0758-0124
A2R87	0698-4254		R:FXD FLM 1K OHM 5% 1/8W	28480	0698-4254
A2R88	0683-1005		R:FXD COMP 10 OHM 5% 1/4W	01121	CB 1005
A2R89	0698-4249		R:FXD FLM 620 OHM 5% 1/8W	28480	0698-4249
A2R90	0683-4705		R:FXD COMP 47 OHM 5% 1/4W	01121	CB 4705
A2R91	0683-4705		R:FXD COMP 47 OHM 5% 1/4W	01121	CB 4705
A3	05465-60003	1	BOARD ASSY:CONTROL	28480	05465-60003
A3C1	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A3C2	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A3C3	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A3C4	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A3C5	0160-0153	3	C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A3CR1	1910-0016	3	DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A3IC1	1820-0071		IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A3IC2	1820-0077	19	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A3IC3	1820-0068	6	IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A3IC4	1820-0071		IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A3IC5	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A3IC6	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A3IC7	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A3IC8	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A3IC9	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A3IC10	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A3IC11	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A3IC12	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A3IC13	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A3IC14	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A3Q1	1854-0071	2	TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A3Q2	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A3R1	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A3R2	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A3R3	0683-5115		R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A3R4	0683-2015	6	R:FXD COMP 200 OHM 5% 1/4W	01121	CB 2015
A4	05465-60004	1	BOARD ASSY:SEQUENCER	28480	05465-60004
A4C1	0180-0197	1	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C2	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A4C3	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A4C4	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A4C5	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A4C6	0150-0093	1	C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A4C7	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A4C8	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A4C9	0160-0937		C:FXD MICA 1000 PF 2%	14655	RDM19F102G3S
A4C10	0140-0204		C:FXD MICA 47 PF 5% NPO 500VDCW	14655	RDM15E470J5C
A4C11	0180-0197	2	C:FXD ELECT 2.2 UF 10% 20VDCW	56289	150D225X9020A2-DYS
A4C12	0160-0154	1	C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A4C13	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A4C14	0140-0204		C:FXD MICA 47 PF 5% NPO 500VDCW	14655	RDM15E470J5C
A4C15	0140-0213		C:FXD MICA 2000 PF 1%	28480	0140-0213
A4C16	0140-0176		C:FXD MICA 100 PF 2%	28480	0140-0176
A4C17	0140-0176	4	C:FXD MICA 100 PF 2%	28480	0140-0176
A4C18	0140-0176		C:FXD MICA 100 PF 2%	28480	0140-0176
A4C19	0140-0176		C:FXD MICA 100 PF 2%	28480	0140-0176
A4C20	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A4C21	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A4C22	0160-0154	1	C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A4C23	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A4C24	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A4C25	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A4CR1	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR2	1901-0040	1	DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR3	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR4	1910-0016		DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A4CR5	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR6	1901-0040	3	DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR7	1910-0016		DIODE:GERMANIUM 100MA/0.85V 60PIV	93332	D2361
A4CR8	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR9	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4IC1	1820-0070		IC:TTL 8-INPT POS NAND GATE	01295	SN4345
A4IC2	1820-0054	3	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC4	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC5	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC6	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A4IC7	1820-0077	1	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A4IC8	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC9	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC10	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A4IC11	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC12	1820-0054	1	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC13	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4IC14	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A4Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A4Q2	1854-0071	1	TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A4Q3	1854-0215		TSTR:SI NPN	80131	2N3904
A4Q4	1853-0036		TSTR:SI PNP	80131	2N3906
A4Q5	1853-0036		TSTR:SI PNP	80131	2N3906
A4Q6	1854-0094	1	TSTR:SI NPN	80131	2N3646
A4Q7	1854-0094		TSTR:SI NPN	80131	2N3646
A4Q8	1853-0036		TSTR:SI PNP	80131	2N3906
A4Q9	1853-0036		TSTR:SI PNP	80131	2N3906
A4Q10	1854-0094		TSTR:SI NPN	80131	2N3646
A4Q11	1854-0094	1	TSTR:SI NPN	80131	2N3646
A4Q12	1854-0215		TSTR:SI NPN	80131	2N3904
A4R1	0684-0271		R:FXD COMP 2.7 OHM 10% 1/4W	01121	CB 27G1
A4R2	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A4R3	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A4R4	0683-2715	2	R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A4R5	0757-0954	1	R:FXD FLM 18K OHM 2% 1/8W	28480	0757-0954
A4R6	0757-0952		R:FXD FLM 15K OHM 2% 1/8W	28480	0757-0952
A4R7	0683-6815		R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A4R8	0757-0941		R:FXD FLM 5.1K OHM 2% 1/8W	28480	0757-0941

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A4R9	0683-6825	3	R:FXD COMP 6800 OHM 5% 1/4W	01121	CB 6825
A4R10	0683-3025	11	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R11	0757-0943	5	R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A4R12	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A4R13	0683-6815		R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A4R14	0757-0941		R:FXD FLN 5.1K OHM 2% 1/8W	28480	0757-0941
A4R15	0683-2225	2	R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A4R16	0757-0919	4	R:FXD FLN 620 OHM 2% 1/8W	28480	0757-0919
A4R17	0683-6815		R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A4R18	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A4R19	0683-1015	8	R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A4R20	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A4R21	0683-5615	3	R:FXD COMP 560 OHM 5% 1/4W	01121	CB 5615
A4R22	0757-0943		R:FXD FLN 6.2K OHM 2% 1/8W	28480	0757-0943
A4R23	0757-0941		R:FXD FLN 5.1K OHM 2% 1/8W	28480	0757-0941
A4R24	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A4R25	0757-0919		R:FXD FLN 620 OHM 2% 1/8W	28480	0757-0919
A4R26	0683-6815		R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A4R27	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A4R28	0757-0443	1	R:FXD MET FLN 11.0K OHM 1% 1/8W	28480	0757-0443
A4R29	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A4R30	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R31	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R32	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R33	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R34	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R35	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R36	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R37	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A4R38	0683-5615		R:FXD COMP 560 OHM 5% 1/4W	01121	CB 5615
A4R39	0683-6835	1	R:FXD COMP 68K OHM 5% 1/4W	01121	CB 6835
A4R40	0683-5615		R:FXD COMP 560 OHM 5% 1/4W	01121	CB 5615
A4R41	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A4R42	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A4R43	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A4R44	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A4R45	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A4R46	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A5	05415-6007	1	BOARD ASSY:HI-SCALER	28480	05415-6007
A5C1	0180-0116	8	C:FXD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS
A5C2	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS
A5C3	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS
A5C4	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS
A5C5	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS
A5C6	0160-2055	32	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C7	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C8	0160-2327	37	C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C10	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C11	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C12	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C13	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C14	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A5C15	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C16	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C17	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C18	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C19	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A5C20	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C21	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C22	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C23	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C24	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C25	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C26	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C27	0160-0839	1	C:FXD MICA 110PF 1%	28480	0160-0839
A5C28	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C29	0160-2197		C:FXD MICA 10 PF 5%	72136	RD15C100J3C
A5C30	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C31	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C32	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C33	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C34	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C35	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C36	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	1500685X903582-DYS

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A5C37	0180-0116	2	C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X903582-DYS
A5C38	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X903582-DYS
A5C39	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C40	0160-0356		C:FXD MICA 18 PF 5%	28480	0160-0356
A5C41	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C42	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C43	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C44	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C45	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C46	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C47	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C48	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C49	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C50	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C51	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C52	0160-0356		C:FXD MICA 18 PF 5%	28480	0160-0356
A5C53	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C54	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C55	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C56	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C57	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C58	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C59	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C60	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A5C61	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C62	0160-2327	2	C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C63	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5C64	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A5CR1	1902-0049		DIODE: BREAKDOWN 6.19V 5%	04713	SZ10939-122
A5CR2	1902-3171	1	DIODE BREAKDOWN: 11.0V 5%	28480	1902-3171
A5CR3	1901-0040	1	DIODE: SILICON 30MA 30WV	07263	FDG1088
A5CR4	1912-0024		DIODE TUNNEL: GE	03508	TD 253A
A5CR5	1902-0049		DIODE: BREAKDOWN 6.19V 5%	04713	SZ10939-122
A5CR6	1902-3059		DIODE BREAKDOWN: SILICON 3.83V 5%	28480	1902-3059
A5CR7	1902-0052	3	DIODE BREAKDOWN: 6.81V	28480	1902-0052
A5CR8	1902-0050	6	DIODE BREAKDOWN: 8.66V	28480	1902-0050
A5CR9	1902-0050		DIODE BREAKDOWN: 8.66V	28480	1902-0050
A5CR10	1902-3059		DIODE BREAKDOWN: SILICON 3.83V 5%	28480	1902-3059
A5CR11	1902-0052		DIODE BREAKDOWN: 6.81V	28480	1902-0052
A5CR12	1902-0050		DIODE BREAKDOWN: 8.66V	28480	1902-0050
A5CR13	1902-0050		DIODE BREAKDOWN: 8.66V	28480	1902-0050
A5CR14	1901-0040		DIODE: SILICON 30MA 30WV	07263	FDG1088
A5CR15	1902-0052		DIODE BREAKDOWN: 6.81V	28480	1902-0052
A5CR16	1902-0050		DIODE BREAKDOWN: 8.66V	28480	1902-0050
A5CR17	1902-0050		DIODE BREAKDOWN: 8.66V	28480	1902-0050
A5CR18	1901-0040	3	DIODE: SILICON 30MA 30WV	07263	FDG1088
A5L1	9100-2247		COIL: FXD RF 0.10 UH 10%	28480	9100-2247
A5L2	9140-0187		COIL: FXD RF 0.15 UH 10%	36196	31503M
A5L3	9100-2247		COIL: FXD RF 0.10 UH 10%	28480	9100-2247
A5L4	9100-2247		COIL: FXD RF 0.10 UH 10%	28480	9100-2247
A5L5	9100-0368	2	COIL: FXD 0.33 UH 10%	36196	1A-3303M
A5L6	9100-2249	2	COIL/CHOKE 0.15 UH 10%	28480	9100-2249
A5L7	9100-2249	2	COIL/CHOKE 0.15 UH 10%	28480	9100-2249
A5L8	9100-0368		COIL: FXD 0.33 UH 10%	36196	1A-3303M
A5L9	9100-2250		COIL/CHOKE 0.18 UH 10%	28480	9100-2250
A5L10	9100-2250		COIL/CHOKE 0.18 UH 10%	28480	9100-2250
A5Q1	1854-0092		TSTR: SI NPN	80131	2N3563
A5Q2	1854-0092		TSTR: SI NPN	80131	2N3563
A5Q3	1854-0092		TSTR: SI NPN	80131	2N3563
A5Q4	1854-0092		TSTR: SI NPN	80131	2N3563
A5Q5	1854-0005		TSTR: SI NPN	80131	2N708
A5Q6	1854-0005	2	TSTR: SI NPN	80131	2N708
A5Q7	1853-0015	8	TSTR: SI PNP	80131	2N5640
A5Q8	1853-0015		TSTR: SI PNP	80131	2N3640
A5Q9	1854-0073		TSTR: SI NPN (SELECTED FROM 2N2857)	28480	1854-0073
A5Q10	1854-0073		TSTR: SI NPN (SELECTED FROM 2N2857)	28480	1854-0073
A5Q11	1853-0015		TSTR: SI PNP	80131	2N3640
A5Q12	1853-0015	8	TSTR: SI PNP	80131	2N3640
A5Q13	1853-0036		TSTR: SI PNP	80131	2N3906
A5Q14	1854-0019		TSTR: SI NPN	28480	1854-0019
A5Q15	1854-0073		TSTR: SI NPN (SELECTED FROM 2N2857)	28480	1854-0073
A5Q16	1854-0073		TSTR: SI NPN (SELECTED FROM 2N2857)	28480	1854-0073
A5Q17	1854-0019		TSTR: SI NPN	28480	1854-0019
A5Q18	1853-0015		TSTR: SI PNP	80131	2N3640
A5Q19	1853-0015		TSTR: SI PNP	80131	2N3640

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A5Q20	1853-0036		TSTR:SI PNP	80131	2N3906
A5Q21	1854-0019		TSTR:SI NPN	28480	1854-0019
A5Q22	1854-0073		TSTR:SI NPN(SELECTED FROM 2N2857)	28480	1854-0073
A5Q23	1854-0073		TSTR:SI NPN(SELECTED FROM 2N2857)	28480	1854-0073
A5Q24	1854-0019		TSTR:SI NPN	28480	1854-0019
A5Q25	1853-0015		TSTR:SI PNP	80131	2N3640
A5Q26	1853-0015		TSTR:SI PNP	80131	2N3640
A5Q27	1853-0036		TSTR:SI PNP	80131	2N3906
A5Q28	1853-0036		TSTR:SI PNP	80131	2N3906
A5Q29	1854-0019		TSTR:SI NPN	28480	1854-0019
A5Q30	1854-0073		TSTR:SI NPN(SELECTED FROM 2N2857)	28480	1854-0073
A5Q31	1854-0073		TSTR:SI NPN(SELECTED FROM 2N2857)	28480	1854-0073
A5Q32	1854-0019		TSTR:SI NPN	28480	1854-0019
A5R1	0757-0893	5	R:FXD FLM 51 OHM 2% 1/8W	28480	0757-0893
A5R2	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R3	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R4	0683-1005		R:FXD COMP 10 OHM 5% 1/4W	01121	CB 1005
A5R5	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R6	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R7	0757-0900	6	R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A5R8	0698-3113	2	R:FXD CARBON 100 OHM 5% 1/8W	28480	0698-3113
A5R9	0757-0940	2	R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A5R10	0698-5174	3	R:FXD COMP 200 OHM 5% 1/8W	28480	0698-5174
A5R11	0757-0893		R:FXD FLM 51 OHM 2% 1/8W	28480	0757-0893
A5R12	0757-0935	5	R:FXD FLM 3K OHM 2% 1/8W	28480	0757-0935
A5R13	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A5R14	0686-6215	1	R:FXD COMP 620 OHM 5% 1/2W	01121	EB 6215
A5R15	0698-3113		R:FXD CARBON 100 OHM 5% 1/8W	28480	0698-3113
A5R16	0757-0893		R:FXD FLM 51 OHM 2% 1/8W	28480	0757-0893
A5R17	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A5R18	0674-3315	1	R:FXD COMP 330 OHM 5% 1/8W	28480	0674-3315
A5R19	0757-0909	7	R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A5R20	2100-1656	1	R:VAR WW 500 OHM 10% 1W	28480	2100-1656
A5R21	0757-0932	1	R:FXD MET FLM 2.2K OHM 2% 1/8W	28480	0757-0932
A5R22	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A5R23	0757-0931	1	R:FXD FLM 2K OHM 2% 1/8W	28480	0757-0931
A5R24	0757-0926	1	R:FXD FLM 1.2K OHM 2% 1/8W	28480	0757-0926
A5R25	0698-5174		R:FXD COMP 200 OHM 5% 1/8W	28480	0698-5174
A5R26	0675-1021	2	R:FXD CARBON 1K OHM 10% 1/8W	28480	0675-1021
A5R27	0757-0904	3	R:FXD FLM 150 OHM 2% 1/8W	28480	0757-0904
A5R28	0683-4305	2	R:FXD COMP 43 OHM 5% .25W	01121	CB 4305
A5R29	0675-1021		R:FXD CARBON 1K OHM 10% 1/8W	28480	0675-1021
A5R30	0757-0928		R:FXD FLM 1.5K OHM 2% 1/8W	28480	0757-0928
A5R31	0698-5174		R:FXD COMP 200 OHM 5% 1/8W	28480	0698-5174
A5R32	0757-0949	3	R:FXD FLM 11K OHM 2% 1/8W	28480	0757-0949
A5R33	0698-3378	4	R:FXD CARBON 51 OHM 5% 1/8W	28480	0698-3378
A5R34	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A5R35	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R36	0757-0928		R:FXD FLM 1.5K OHM 2% 1/8W	28480	0757-0928
A5R37	0757-0923	3	R:FXD FLM 910 OHM 2% 1/8W	28480	0757-0923
A5R38	0757-0921		R:FXD MET FLM 750 OHM 2% 1/8W	28480	0757-0921
A5R39	0698-4130	2	R:FXD COMP 39 OHM 5% 1/8W	28480	0698-4130
A5R40	0757-0915	6	R:FXD FLM 430 OHM 2% 1/8W	28480	0757-0915
A5R41	0698-3378		R:FXD CARBON 51 OHM 5% 1/8W	28480	0698-3378
A5R42	0757-0920	1	R:FXD FLM 680 OHM 2% 1/8W	28480	0757-0920
A5R43	0757-0921		R:FXD MET FLM 750 OHM 2% 1/8W	28480	0757-0921
A5R44	0698-4130		R:FXD COMP 39 OHM 5% 1/8W	28480	0698-4130
A5R45	0757-0915		R:FXD FLM 430 OHM 2% 1/8W	28480	0757-0915
A5R46	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R47	0683-1005		R:FXD COMP 10 OHM 5% 1/4W	01121	CB 1005
A5R48	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R49	0757-0935		R:FXD FLM 3K OHM 2% 1/8W	28480	0757-0935
A5R50	0757-0904		R:FXD FLM 150 OHM 2% 1/8W	28480	0757-0904
A5R51	0757-0949		R:FXD FLM 11K OHM 2% 1/8W	28480	0757-0949
A5R52	0757-0893		R:FXD FLM 51 OHM 2% 1/8W	28480	0757-0893
A5R53	0757-0927	5	R:FXD FLM 1.3K OHM 2% 1/8W	28480	0757-0927
A5R54	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R55	0757-0927		R:FXD FLM 1.3K OHM 2% 1/8W	28480	0757-0927
A5R56	0757-0923		R:FXD FLM 910 OHM 2% 1/8W	28480	0757-0923
A5R57	0698-3380	6	R:FXD CARBON 75 OHM 5% 1/8W	28480	0698-3380
A5R58	0757-0921		R:FXD MET FLM 750 OHM 2% 1/8W	28480	0757-0921
A5R59	0698-3376	3	R:FXD COMP 43 OHM 5% 1/8W	28480	0698-3376
A5R60	0757-0915		R:FXD FLM 430 OHM 2% 1/8W	28480	0757-0915
A5R61	0686-3015	1	R:FXD COMP 300 OHM 5% 1/2W	01121	EB 3015
A5R62	0698-3378		R:FXD CARBON 51 OHM 5% 1/8W	28480	0698-3378

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A5R63	0757-0919	8	R:FXD FLM 620 OHM 2% 1/8W	28480	0757-0919
A5R64	0757-0921		R:FXD MET FLM 750 OHM 2% 1/8W	28480	0757-0921
A5R65	0683-4305		R:FXD COMP 43 OHM 5% .25W	01121	CB 4305
A5R66	0757-0915		R:FXD FLM 430 OHM 2% 1/8W	28480	0757-0915
A5R67	0698-3380		R:FXD CARBON 75 OHM 5% 1/8W	28480	0698-3380
A5R68	0757-0935		R:FXD FLM 3K OHM 2% 1/8W	28480	0757-0935
A5R69	0757-0904		R:FXD FLM 150 OHM 2% 1/8W	28480	0757-0904
A5R70	0757-0949		R:FXD FLM 11K OHM 2% 1/8W	28480	0757-0949
A5R71	0757-0893		R:FXD FLM 51 OHM 2% 1/8W	28480	0757-0893
A5R72	0757-0927		R:FXD FLM 1.3K OHM 2% 1/8W	28480	0757-0927
A5R73	0757-0924	1	R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A5R74	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A5R75	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A5R76	0757-0928		R:FXD FLM 1.5K OHM 2% 1/8W	28480	0757-0928
A5R77	0757-0927		R:FXD FLM 1.3K OHM 2% 1/8W	28480	0757-0927
A5R78	0757-0923		R:FXD FLM 910 OHM 2% 1/8W	28480	0757-0923
A5R79	0698-3380		R:FXD CARBON 75 OHM 5% 1/8W	28480	0698-3380
A5R80	0757-0921		R:FXD MET FLM 750 OHM 2% 1/8W	28480	0757-0921
A5R81	0698-3376		R:FXD COMP 43 OHM 5% 1/8W	28480	0698-3376
A5R82	0757-0915		R:FXD FLM 430 OHM 2% 1/8W	28480	0757-0915
A5R83	0698-3378	10	R:FXD CARBON 51 OHM 5% 1/8W	28480	0698-3378
A5R84	0757-0919		R:FXD FLM 620 OHM 2% 1/8W	28480	0757-0919
A5R85	0757-0921		R:FXD MET FLM 750 OHM 2% 1/8W	28480	0757-0921
A5R86	0698-3376		R:FXD COMP 43 OHM 5% 1/8W	28480	0698-3376
A5R87	0757-0915		R:FXD FLM 430 OHM 2% 1/8W	28480	0757-0915
A5R88	0698-3380		R:FXD CARBON 75 OHM 5% 1/8W	28480	0698-3380
A5R89	0757-0935		R:FXD FLM 3K OHM 2% 1/8W	28480	0757-0935
A5R90	0757-0927		R:FXD FLM 1.3K OHM 2% 1/8W	28480	0757-0927
A5R91	0698-3380		R:FXD CARBON 75 OHM 5% 1/8W	28480	0698-3380
A5R92	0698-3380		R:FXD CARBON 75 OHM 5% 1/8W	28480	0698-3380
A6	05465-60006	1	BOARD ASSY:LO SPEED SCALER	28480	05465-60006
A6C1	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C2	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C3	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C4	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C5	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C6	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C7	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C8	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C9	0160-2143		C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C10	0160-2143	1	C:FXD CER 2000 PF +80-20% 1000VDCW	91418	TYPE B
A6C11	0150-0071		C:FXD CER 400 PF 5% 1000VDCW	56289	C016B102E401JS27-CDH
A6C12	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A6C13	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A6C14	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	B1048X102M
A6IC1	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A6IC2	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A6IC3	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A6IC4	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A6IC5	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A6IC6	1820-0054	1	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A6IC7	1820-0070		IC:TTL 8-INPT POS NAND GATE	01295	SN4345
A6IC8	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A6IC9	1820-0070		IC:TTL 8-INPT POS NAND GATE	01295	SN4345
A6IC10	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A6IC11	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A6Q1	1854-0094		TSTR:SI NPN	80131	2N3646
A6R1	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A6R2	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A6R3	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A6R4	0757-0909	1	R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A6R5	0757-0909		R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A6R6	0757-0909		R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A6R7	0757-0909		R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A6R8	0757-0909		R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A6R9	0757-0909		R:FXD FLM 240 OHM 2% 1/8W	28480	0757-0909
A6R10	0757-0897		R:FXD FLM 75 OHM 2% 1/8W	28480	0757-0897
A6R11	0757-0902		R:FXD MET FLM 120 OHM 2% 1/8W	28480	0757-0902
A6R12	0757-0902		R:FXD MET FLM 120 OHM 2% 1/8W	28480	0757-0902
A6R13	0757-0907		R:FXD FLM 200 OHM 2% 1/8W	28480	0757-0907
A7	05465-60007	1	BOARD ASSY:OUTPUT BUFFER	28480	05465-60007
A7C1	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A7C2	0180-0374		C:FXD TANT. 10 UF 10% 20VDCW	56289	150D106X9020B2-DYS
A7CR1	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A7CR2	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A7DS1	2140-0300	1	LAMP:INCANDESCENT 18V 0.04 AMPS	08806	7370
A7IC1	1820-0071		IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A7IC2	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A7IC3	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A7IC4	1820-0077	1	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A7IC5	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A7IC6	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A7IC7	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A7IC8	1820-0077	1	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A7IC9	1820-0071		IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A7IC10	1820-0054	1	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A7IC11	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A7IC12	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A7Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q2	1854-0071	3	TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q3	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q4	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7Q5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A7R1	0683-2025	1	R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A7R2	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A7R3	0683-5115		R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A7R4	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A7R5	0683-1025	1	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A7R6	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A7R7	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A7R8	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A7R9	0683-5125	1	R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A8	05415-6009		BOARD ASSY:10-100 MC	28480	05415-6009
A8C1	0160-0159		C:FXD MY 0.0068 UF 10% 200VDCW	56289	192P68282-PTS
A8C2	0160-0159		C:FXD MY 0.0068 UF 10% 200VDCW	56289	192P68282-PTS
A8C3	0180-0291	1	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A8C4	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C5	0160-2255		C:FXD CER 8.2 PF 500VDCW	72982	301-000-C0H0-829C
A8C6	0121-0036		C:VAR CER 5.5-18 PF	28480	0121-0036
A8C7	0160-2055	11	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C8	0160-0159		C:FXD MY 0.0068 UF 10% 200VDCW	56289	192P68282-PTS
A8C9	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C10	0160-0196		C:FXD MICA 24PF 5% 300VDCW	04062	RDH15C240J35
A8C11	0121-0036	3	C:VAR CER 5.5-18 PF	28480	0121-0036
A8C12	0160-2238		C:FXD CER 1.5 PF 500VDCW	72982	301-000-C0K0-159C
A8C13	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C14	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C15	0160-0196	1	C:FXD MICA 24PF 5% 300VDCW	04062	RDH15C240J35
A8C16	0121-0036		C:VAR CER 5.5-18 PF	28480	0121-0036
A8C17	0160-2238		C:FXD CER 1.5 PF 500VDCW	72982	301-000-C0K0-159C
A8C18	0160-2055	3	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C19	0160-0196		C:FXD MICA 24PF 5% 300VDCW	04062	RDH15C240J35
A8C20	0121-0036		C:VAR CER 5.5-18 PF	28480	0121-0036
A8C21	0150-0059		C:FXD CER 3.3-0.25 PF 500VDCW	72982	301-000-C0J0-339C
A8C22	0160-0196	3	C:FXD MICA 24PF 5% 300VDCW	04062	RDH15C240J35
A8C23	0121-0036		C:VAR CER 5.5-18 PF	28480	0121-0036
A8C24	0150-0059		C:FXD CER 3.3-0.25 PF 500VDCW	72982	301-000-C0J0-339C
A8C25	0160-2197		C:FXD MICA 10 PF 5%	72136	RDH15C100J3C
A8C26	0121-0036	2	C:VAR CER 5.5-18 PF	28480	0121-0036
A8C27	0150-0059		C:FXD CER 3.3-0.25 PF 500VDCW	72982	301-000-C0J0-339C
A8C28	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C29	0160-2197		C:FXD MICA 10 PF 5%	72136	RDH15C100J3C
A8C30	0121-0036	2	C:VAR CER 5.5-18 PF	28480	0121-0036
A8C31	0160-2236		C:FXD CER 1.0 PF 500VDCW	72982	301-000-C0K0-109C
A8C32	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C33	0160-2197	1	C:FXD MICA 10 PF 5%	72136	RDH15C100J3C
A8C34	0121-0036		C:VAR CER 5.5-18 PF	28480	0121-0036
A8C35	0160-2236		C:FXD CER 1.0 PF 500VDCW	72982	301-000-C0K0-109C
A8C36	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A8C37	0160-2327	3	C:FXD CER 1000 PF 20% 100VDCW	96733	81048X102M
A8C38	0160-2197		C:FXD MICA 10 PF 5%	72136	RDH15C100J3C
A8C39	0121-0036		C:VAR CER 5.5-18 PF	28480	0121-0036
A8C40	0160-2238		C:FXD CER 1.5 PF 500VDCW	72982	301-000-C0K0-159C
A8C41	0160-2197	1	C:FXD MICA 10 PF 5%	72136	RDH15C100J3C
A8C42	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	81048X102M
A8C43	0121-0036		C:VAR CER 5.5-18 PF	28480	0121-0036
A8C44	0160-2247		C:FXD CER 3.9 PF 500VDCW	72982	301-NPO-3.9 PF
A8C45	0160-2327	3	C:FXD CER 1000 PF 20% 100VDCW	96733	81048X102M
A8C46	0160-2327		C:FXD CER 1000 PF 20% 100VDCW	96733	81048X102M
A8L1	9140-0096		COIL:FXD RF 1 UH	28480	9140-0096

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A8L2	9140-0095	4	COIL:FXD RF 0.27 UH 10%	99800	1537 SERIES
A8L3	9140-0095		COIL:FXD RF 0.27 UH 10%	99800	1537 SERIES
A8L4	9140-0095		COIL:FXD RF 0.27 UH 10%	99800	1537 SERIES
A8L5	9140-0095		COIL:FXD RF 0.27 UH 10%	99800	1537 SERIES
A8L6	9140-0120	5	COIL:FXD 0.10 UH 20%	82142	10175-8
A8L7	9140-0120		COIL:FXD 0.10 UH 20%	82142	10175-8
A8L8	9140-0120		COIL:FXD 0.10 UH 20%	82142	10175-8
A8L9	9140-0120		COIL:FXD 0.10 UH 20%	82142	10175-8
A8L10	9140-0120		COIL:FXD 0.10 UH 20%	82142	10175-8
A8Q1	1854-0092		TSTR:SI NPN	80131	2N3563
A8Q2	1854-0092		TSTR:SI NPN	80131	2N3563
A8Q3	1854-0092		TSTR:SI NPN	80131	2N3563
A8Q4	1854-0019		TSTR:SI NPN	28480	1854-0019
A8Q5	1854-0092		TSTR:SI NPN	80131	2N3563
A8Q6	1854-0019		TSTR:SI NPN	28480	1854-0019
A8Q7	1854-0092		TSTR:SI NPN	80131	2N3563
A8Q8	1854-0092		TSTR:SI NPN	80131	2N3563
A8R1	0683-2005		R:FXD COMP 20 OHM 5% 1/4W	01121	CB 2005
A8R2	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A8R3	0757-0935		R:FXD FLM 3K OHM 2% 1/8W	28480	0757-0935
A8R4	0757-0943		R:FXD FLM 6.2K OHM 2% 1/8W	28480	0757-0943
A8R5	0757-0907		R:FXD FLM 200 OHM 2% 1/8W	28480	0757-0907
A8R6	0757-0917	1	R:FXD FLM 510 OHM 2% 1/8W	28480	0757-0917
A8R7	0757-0907		R:FXD FLM 200 OHM 2% 1/8W	28480	0757-0907
A8R8	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A8R9	0757-0922	1	R:FXD FLM 820 OHM 2% 1/8W	28480	0757-0922
A8R10	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A8R11	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A8R12	0757-0946		R:FXD FLM 8.2K OHM 2% 1/8W	28480	0757-0946
A8R13	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
A8R14	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A8R15	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A8R16	0757-0906		R:FXD MET FLM 180 OHM 2% 1/8W	28480	0757-0906
A8R17	0757-0930	2	R:FXD FLM 1.8K OHM 2% 1/8W	28480	0757-0930
A8R18	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A8R19	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A8R20	0757-0930		R:FXD FLM 1.8K OHM 2% 1/8W	28480	0757-0930
A8R21	0757-0946		R:FXD FLM 8.2K OHM 2% 1/8W	28480	0757-0946
A8R22	0757-0944		R:FXD FLM 6.8K OHM 2% 1/8W	28480	0757-0944
A8R23	0757-0906		R:FXD MET FLM 180 OHM 2% 1/8W	28480	0757-0906
A8R24	0757-0916		R:FXD MET FLM 470 OHM 2% 1/8W	28480	0757-0916
A8R25	0757-0946		R:FXD FLM 8.2K OHM 2% 1/8W	28480	0757-0946
A8R26	0757-0944		R:FXD FLM 6.8K OHM 2% 1/8W	28480	0757-0944
A8R27	0757-0916		R:FXD MET FLM 470 OHM 2% 1/8W	28480	0757-0916
A8R28	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A8R29	0757-0941		R:FXD FLM 5.1K OHM 2% 1/8W	28480	0757-0941
A8R30	0757-0916		R:FXD MET FLM 470 OHM 2% 1/8W	28480	0757-0916
A8R31	2100-1659	1	R:VAR WW 5K 10% 1W	09145	170P
A9	05465-60009	1	BOARD ASSY:CLOCK	05465	05465-60009
A9C1	0180-0155		C:FXD ELECT 2.2 UF 20% 20VDCW	56289	1500225X0020A2-DYS
A9C2	0180-0155		C:FXD ELECT 2.2 UF 20% 20VDCW	56289	1500225X0020A2-DYS
A9C3	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	1500105X9035A2-DYS
A9C4	0160-0168	1	C:FXD MY 0.1 UF 10% 200VDCW	56289	192P10492-PTS
A9C5	0160-0362	2	C:FXD MICA 510PF 5%	28480	0160-0362
A9C6	0160-0362		C:FXD MICA 510PF 5%	28480	0160-0362
A9C7	0140-0205	2	C:FXD MICA 62 PF 5%	28480	0140-0205
A9C8	0140-0205		C:FXD MICA 62 PF 5%	28480	0140-0205
A9C9	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A9C10	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A9C11	0130-0017	2	C:VAR CER 8-50 PF	28480	0130-0017
A9C12	0130-0017		C:VAR CER 8-50 PF	28480	0130-0017
A9C13	0140-0190	2	C:FXD MICA 39 PF 5%	72136	RD15E390J3C
A9C14	0140-0190		C:FXD MICA 39 PF 5%	72136	RD15E390J3C
A9C15	0140-0200	2	C:FXD MICA 390 PF 5%	72136	RD15F391-J3C
A9C16	0140-0200		C:FXD MICA 390 PF 5%	72136	RD15F391-J3C
A9C17	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A9C18	0150-0093		C:FXD CER 0.01 UF +80-20% 100VDCW	72982	801-K800011
A9C19	0160-2207	2	C:FXD MICA 300 PF 5%	28480	0160-2207
A9C20	0160-2207		C:FXD MICA 300 PF 5%	28480	0160-2207
A9C21	0160-0298	2	C:FXD MY 0.0015 UF 10% 200VDCW	56289	192P15292-PTS
A9C22	0160-0298		C:FXD MY 0.0015 UF 10% 200VDCW	56289	192P15292-PTS
A9C23	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A9C24	0160-0163		C:FXD MY 0.033 UF 10% 200VDCW	56289	192P33392-PTS
A9CR1	1901-0040	1	DIODE:SILICON 30MA 30MV	07263	FDG1088
A9CR2	1901-0040		DIODE:SILICON 30MA 30MV	07263	FDG1088

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A9CR3	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A9CR4	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A9CR5	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A9CR6	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A9IC1	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A9IC2	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A9L1	9140-0138	2	COIL/CHOKE 180 UH 5%	28480	9140-0138
A9L2	9140-0138		COIL/CHOKE 180 UH 5%	28480	9140-0138
A9L3	9140-0096		COIL:FXD RF 1 UH	28480	9140-0096
A9L4	9140-0096		COIL:FXD RF 1 UH	28480	9140-0096
A9Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q2	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q3	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q4	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q6	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q7	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A9Q8	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A9Q9	1854-0094		TSTR:SI NPN	80131	2N3646
A9Q10	1854-0094		TSTR:SI NPN	80131	2N3646
A9Q11	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q12	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A9Q13	1854-0094		TSTR:SI NPN	80131	2N3646
A9Q14	1854-0094		TSTR:SI NPN	80131	2N3646
A9Q15	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A9Q16	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A9Q17	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A9R1	0683-1025	2	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A9R2	0683-6225		R:FXD COMP 6200 OHM 5% 1/4W	01121	CB 6225
A9R3	0683-6225		R:FXD COMP 6200 OHM 5% 1/4W	01121	CB 6225
A9R4	0683-6825	7	R:FXD COMP 6800 OHM 5% 1/4W	01121	CB 6825
A9R5	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A9R6	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A9R7	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A9R8	0683-6825		R:FXD COMP 6800 OHM 5% 1/4W	01121	CB 6825
A9R9	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A9R10	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A9R11	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A9R12	0683-1225	1	R:FXD COMP 1200 OHM 5% 1/4W	01121	CB 1225
A9R13	0683-6215	2	R:FXD COMP 620 OHM 5% 1/4W	01121	CB 6215
A9R14	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A9R15	0683-7525	1	R:FXD COMP 7500 OHM 5% 1/4W	01121	CB 7525
A9R16	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A9R17	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A9R18	0683-2015		R:FXD COMP 200 OHM 5% 1/4W	01121	CB 2015
A9R19	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A9R20	0683-4725		R:FXD COMP 4700 OHM 5% 1/4W	01121	CB 4725
A9R21	0683-6815		R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A9R22	0683-6815		R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A9R23	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A9R24	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A9R25	0683-2725	1	R:FXD COMP 2700 OHM 5% 1/4W	01121	CB 2725
A9R26	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A9R27	0683-6215		R:FXD COMP 620 OHM 5% 1/4W	01121	CB 6215
A9R28	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A9R29	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A9R30	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A9R31	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A9R32	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A9R33	0757-0967	1	R:FXD FLM 62K OHM 2% 1/8W	28480	0757-0967
A9R34	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A9R35	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
A9R36	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A9R37	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A9R38	0683-2035	2	R:FXD COMP 20K OHM 5% 1/4W	01121	CB 2035
A9R39	0683-2035		R:FXD COMP 20K OHM 5% 1/4W	01121	CB 2035
A9R40	0683-7515	2	R:FXD COMP 750 OHM 5% 1/4W	01121	CB 7515
A9R41	0683-1125	2	R:FXD COMP 1100 OHM 5% 1/4W	01121	CB 1125
A9R42	0683-7515		R:FXD COMP 750 OHM 5% 1/4W	01121	CB 7515
A9R43	0683-1125		R:FXD COMP 1100 OHM 5% 1/4W	01121	CB 1125
A9R44	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A9R45	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A9R46	0683-3925	1	R:FXD COMP 3900 OHM 5% 1/4W	01121	CB 3925
A9R47	0683-5105	1	R:FXD COMP 51 OHM 5% 1/4W	01121	CB 5105
A9R48	0757-0200	1	R:FXD MET FLM 5.62K OHM 1% 1/8W	28480	0757-0200

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A9R49	0683-3915	1	R:FXD COMP 390 OHM 5% 1/4W	01121	CB 3915
A9R50	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A9R51	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A9R52	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A9XY1	1200-0159	2	CRYSTAL HOLDER	28480	1200-0159
A9XY2	1200-0159		CRYSTAL HOLDER	28480	1200-0159
A9Y1	0410-0130	1	CRYSTAL:QUARTZ 10 MHZ	28480	0410-0130
A9Y2	0410-0193	1	CRYSTAL:QUARTZ	28480	0410-0193
A10	05465-60010	1	BOARD ASSY:SAMPLER GENERATOR	28480	05465-60010
A10C1	0180-0197		C:FXD ELECT 2.2 UF 10% 20VDCW	56289	1500225X9020A2-DYS
A10C2	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A10C3	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A10C4	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A10C5	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A10C6	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A10C7	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A10C8	0160-0154		C:FXD MICA MY 0.0022 UF 10% 200VDCW	56289	192P22292-PTS
A10CR1	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A10IC1	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A10IC2	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A10IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A10IC4	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A10IC5	1820-0069	1	IC:TTL DUAL 4-INPT POS NAND GATE	01295	SN4344
A10IC6	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A10IC7	1820-0055	8	IC:TTL DECADE COUNTER	01295	SN4356
A10IC8	1820-0055		IC:TTL DECADE COUNTER	01295	SN4356
A10IC9	1820-0055		IC:TTL DECADE COUNTER	01295	SN4356
A10IC10	1820-0055		IC:TTL DECADE COUNTER	01295	SN4356
A10IC11	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A10IC12	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A10IC13	1820-0174	4	INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A10IC14	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A10IC15	1820-0071		IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A10IC16	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A10IC17	1820-0055		IC:TTL DECADE COUNTER	01295	SN4356
A10IC18	1820-0055		IC:TTL DECADE COUNTER	01295	SN4356
A10IC19	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A10IC20	1820-0055		IC:TTL DECADE COUNTER	01295	SN4356
A10IC21	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A10IC22	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A10IC23	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A10IC24	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A10IC25	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A10IC26	1820-0055		IC:TTL DECADE COUNTER	01295	SN4356
A10IC27	1820-0327		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4466
A10IC28	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A10Q1	1854-0071		TSTR:SI NPN:SELECTED FROM 2N3704	28480	1854-0071
A10R1	0683-1525	7	R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A10R2	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R3	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R4	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R5	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R6	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R7	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A10R8	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A10R9	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A10R10	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R11	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A10R12	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R13	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A10R14	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A10R15	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R16	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R17	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R18	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R19	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R20	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R21	0683-2015		R:FXD COMP 200 OHM 5% 1/4W	01121	CB 2015
A10R22	0683-2015		R:FXD COMP 200 OHM 5% 1/4W	01121	CB 2015
A10R23	0683-2015		R:FXD COMP 200 OHM 5% 1/4W	01121	CB 2015
A10R24	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A10R25	0683-2015		R:FXD COMP 200 OHM 5% 1/4W	01121	CB 2015
A10R26	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A11	05465-60011	2	BOARD ASSY:ATTENUATOR	28480	05465-60011
A11C1	0160-2251	2	C:FXD CER 5.6 PF 500VDCW	72982	301-000-COH0-569G

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A11C2	0150-0022	2	C:FXD TI 3.3 PF 10% 500VDCW	78488	GA
A11C3	0121-0046	12	C:VARI CER 9-35 PF	28480	0121-0046
A11C4	0121-0046		C:VARI CER 9-35 PF	28480	0121-0046
A11C5	0121-0046		C:VARI CER 9-35 PF	28480	0121-0046
A11C6	0121-0046		C:VARI CER 9-35 PF	28480	0121-0046
A11C7	0121-0046		C:VARI CER 9-35 PF	28480	0121-0046
A11C8	0121-0046		C:VARI CER 9-35 PF	28480	0121-0046
A11C9	0160-2198	2	C:FXD MICA 20 PF 5%	72136	RD15C200J3C
A11C10	0140-0220	2	C:FXD MICA 200 PF 1% 300VDCW	28480	0140-0220
A11C11	0160-2208	2	C:FXD MICA 330 PF 5% 300VDCW	28480	0160-2208
A11C12	0140-0179	2	C:FXD MICA 1000 PF 2%	28480	0140-0179
A11C13	0160-2226	2	C:FXD MICA 2200 PF 5% 300VDCW	28480	0160-2226
A11R1	0811-0469	4	R:FXD WW 500K OHM 0.1% 1/16W	28480	0811-0469
A11R2	0811-2801	2	R:FXD WW 750K OHM 0.1% 0.125W	28480	0811-2801
A11R3	0811-1304	2	R:FXD WW 900K OHM 0.1% 1/8W	28480	0811-1304
A11R4	0811-2775	2	R:FXD WW 950K OHM 0.1% 1/16W	28480	0811-2775
A11R5	0811-2802	2	R:FXD WW 975K OHM 0.1% 0.125W	28480	0811-2802
A11R6	0811-0472	2	R:FXD WW 990K OHM 0.1% 1/16W	28480	0811-0472
A11R7	0757-0344	2	R:FXD MET FLM 1.00 MEGOHM 1% 1/4W	28480	0757-0344
A11R8	0811-0469		R:FXD WW 500K OHM 0.1% 1/16W	28480	0811-0469
A11R9	0811-0464	2	R:FXD WW 250K OHM 0.1% 1/16W	28480	0811-0464
A11R10	0811-0460	2	R:FXD WW 100K OHM 0.1% 1/16W	28480	0811-0460
A11R11	0811-0457	2	R:FXD WW 50K OHM 0.1% 1/16W	28480	0811-0457
A11R12	0811-0453	2	R:FXD WW 25K OHM 0.1% 1/16W	28480	0811-0453
A11R13	0811-0919	2	R:FXD WW 10K OHM 0.1% 1/16W	28480	0811-0919
A11R14	0757-0394	2	R:FXD MET FLM 51.1 OHM 1% 1/8W	28480	0757-0394
A12			SAME AS A11, USE PREFIX A12		
A0			CHASSIS PARTS		
C1	0160-0180	3	C:FXD MY 0.033 UF 5%	28480	0160-0180
C2	0160-0180		C:FXD MY 0.033 UF 5%	28480	0160-0180
C3	0160-0180		C:FXD MY 0.033 UF 5%	28480	0160-0180
P1			THRU		
P14			NOT ASSIGNED		
P15	1251-0101	1	CONNECTOR:R & P 50 CONTACT	02660	57-20500-375
R1	2100-2820	1	R:VAR COMP 50K OHM 10% LIN 1/2W	28480	2100-2820
S1	3100-2654	1	SWITCH:ROTARY	28480	3100-2654
S2	3100-2627	1	SWITCH:ROTARY	28480	3100-2627
S3	3100-2666	1	SWITCH:LEVER	28480	3100-2666
S4	3100-2624	2	SWITCH:ROTARY	28480	3100-2624
S5	3100-2624		SWITCH:ROTARY	28480	3100-2624
S6	3100-2655	1	SWITCH:ROTARY	28480	3100-2655
S7	3100-2625	3	SWITCH:LEVER	28480	3100-2625
S8	3100-2625		SWITCH:LEVER	28480	3100-2625
S9	3100-2625		SWITCH:LEVER	28480	3100-2625
S10			PART OF R1		
XA1	1251-0233	10	CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA2	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA3	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA4	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA5	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA6	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA7	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA8	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA9	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
XA10	1251-0233		CONNECTOR:PC 44 CONTACTS	28480	1251-0233
			MISCELLANEOUS		
	0370-0104	5	KNOB:BLK BAR W/ARROW 1/4" SHAFT	28480	0370-0104
	0370-0380	1	KNOB:SKIRTED BLK 0.625" DIA	28480	0370-0380
	0370-0432	4	KNOB:BLACK LEVER	28480	0370-0432
	1250-0118	5	CONNECTOR:BNC	24931	28JR 128-1
	1390-0098	2	SCREW:PANEL FASTENER 6-32 THD	94222	51-18-206-24
	7120-0004	1	NAMEPLATE:SERIAL	28480	7120-0004
	5040-0170	4	GUIDE:PLUG-IN PC BOARD	28480	5040-0170
	05415-0008	9	SHIELD	28480	05415-0008
	05465-00001	1	COVER:LEFT SIDE	28480	05465-00001
	05465-00002	1	COVER:RIGHT SIDE	28480	05465-00002
	05465-00003	1	PANEL:REAR	28480	05465-00003
	05465-00004	1	PANEL:SUB	28480	05465-00004
	05465-00005	1	PANEL:FRONT	28480	05465-00005
	05465-00006	2	COVER:TOP AND BOTTOM	28480	05465-00006
	05465-00008	1	CHASSIS	28480	05465-00008
	05465-20021	1	STRUT:UPPER RIGHT	28480	05465-20021
	05465-20022	1	STRUT:LOWER RIGHT	28480	05465-20022
	05465-20023	1	STRUT:UPPER LEFT	28480	05465-20023
	05465-20024	1	STRUT:LOWER LEFT	28480	05465-20024

See introduction to this section for ordering information

Table 5-3. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
	05465-20025	2	GUIDE:PC BOARD	28480	05465-20025
	05465-40001	1	LENS:CLEAR	28480	05465-40001
	05465-40002	2	LENS:AMBER	28480	05465-40002
	05465-60012	3	LAMP ASSY	28480	05465-60012
	05465-60021	1	CABLE ASSY:HARNESS	28480	05465-60021
			(INCLUDES P15)		
	05465-60022	1	CABLE ASSY:SIGNAL	28480	05465-60022
	05465-60024	2	CABLE ASSY:INPUT	28480	05465-60024
			(INCLUDES S4 & A11 OR S5 & A12)		
	2140-0037	3	LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	21870

See introduction to this section for ordering information

Table 5-4. Replaceable Parts

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1	05580-6001	1	BOARD ASSY:RECTIFIER	28480	05580-6001
A1C1	0150-0052	6	C:FXD CER 0.05 UF 20% 400VDCW	56289	33C17A
A1C2	0150-0052		C:FXD CER 0.05 UF 20% 400VDCW	56289	33C17A
A1C3	0150-0084	8	C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C4	0150-0084		C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C5	0150-0084		C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C6	0150-0084		C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C7	0150-0084		C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C8	0150-0084		C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C9	0150-0084		C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C10	0150-0084		C:FXD CER 0.1 UF +80-20% 100VDCW	56289	33C41B5-CDH
A1C11	0150-0052		C:FXD CER 0.05 UF 20% 400VDCW	56289	33C17A
A1C12	0150-0052		C:FXD CER 0.05 UF 20% 400VDCW	56289	33C17A
A1CR1	1901-0416	12	DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR2	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR3	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR4	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR5	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR6	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR7	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR8	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR9	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR10	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR11	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1CR12	1901-0416		DIODE:SILICON 200PIV 3A	28480	1901-0416
A1R1	0757-0957	2	R:FXD FLM 24K OHM 2% 1/8W	28480	0757-0957
A1R2	0757-0948	4	R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A1R3	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A1R4	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A1R5	0757-0948		R:FXD FLM 10K OHM 2% 1/8W	28480	0757-0948
A1R6	0757-0957		R:FXD FLM 24K OHM 2% 1/8W	28480	0757-0957
A2	05580-6002	1	BOARD ASSY:REFERENCE	28480	05580-6002
A2C1	0160-0155	11	C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A2C2	0180-0155	2	C:FXD ELECT 2.2 UF 20% 20VDCW	56289	150D225X0020A2-DYS
A2C3	0180-0228	2	C:FXD ELECT 22 UF 10% 15VDCW	56289	150D226X901582-DYS
A2C4	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A2C5	0180-0228		C:FXD ELECT 22 UF 10% 15VDCW	56289	150D226X901582-DYS
A2C6	0180-0155		C:FXD ELECT 2.2 UF 20% 20VDCW	56289	150D225X0020A2-DYS
A2CR1	1902-0071	2	DIODE:BREAKDOWN 9.0V 5%	28480	1902-0071
A2CR2	1902-0071		DIODE:BREAKDOWN 9.0V 5%	28480	1902-0071
A2Q1	1853-0051	1	TSTR:SI PNP	80131	2N4037
A2Q2	1854-0215	5	TSTR:SI NPN	80131	2N3904
A2Q3	1854-0215		TSTR:SI NPN	80131	2N3904
A2Q4	1854-0071	95	TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A2Q5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A2Q6	1854-0039	1	TSTR:SI NPN	80131	2N3053
A2Q7	1853-0036	7	TSTR:SI PNP	80131	2N3906
A2Q8	1853-0036		TSTR:SI PNP	80131	2N3906
A2Q9	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A2Q10	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A2R1	0758-0093	2	R:FXD MET FLM 56 OHM 5% 1/2W	28480	0758-0093
A2R2	0758-0032	2	R:FXD MET OX 820 OHM 5% 1/2W	28480	0758-0032
A2R3	0757-0928	2	R:FXD FLM 1.5K OHM 2% 1/8W	28480	0757-0928
A2R4	0757-0926	5	R:FXD FLM 1.2K OHM 2% 1/8W	28480	0757-0926
A2R5	0757-0940	9	R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A2R6	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A2R7	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A2R8	0757-0926		R:FXD FLM 1.2K OHM 2% 1/8W	28480	0757-0926
A2R9	0758-0093		R:FXD MET FLM 56 OHM 5% 1/2W	28480	0758-0093
A2R10	0758-0032		R:FXD MET OX 820 OHM 5% 1/2W	28480	0758-0032
A2R11	0757-0928		R:FXD FLM 1.5K OHM 2% 1/8W	28480	0757-0928
A2R12	0757-0917	1	R:FXD FLM 510 OHM 2% 1/8W	28480	0757-0917
A2R13	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A2R14	0757-0935	1	R:FXD FLM 3K OHM 2% 1/8W	28480	0757-0935
A2R15	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A2R16	0757-0926		R:FXD FLM 1.2K OHM 2% 1/8W	28480	0757-0926
A3	05475-60009	1	BOARD ASSY:MOTHER	28480	05475-60009
A3C1	0160-2055	6	C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C2	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C3	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C4	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C5	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C6	0160-2055		C:FXD CER 0.01 UF +80-20% 100VDCW	56289	C023F101F103ZS22-CDH
A3C7	0180-0113	2	C:FXD ELECT TA 100UF +20-15% 30VDCW	56289	109D107C2030T2
A3C8	0180-0098	2	C:FXD ELECT 100 UF 20% 20VDCW	56289	150D107X0020S2-DYS

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A3C9	0180-0137	2	C:FXD ELECT 100 UF 20% 10VDCW	56289	1500107X0010R2-DYS
A3C10	0180-0137		C:FXD ELECT 100 UF 20% 10VDCW	56289	1500107X0010R2-DYS
A3C11	0180-0098		C:FXD ELECT 100 UF 20% 20VDCW	56289	1500107X0020S2-DYS
A3C12	0180-0113		C:FXD ELECT TA 100UF +20-15% 30VDCW	56289	109D107C2030T2
A3CR1	1901-0040	446	DIODE:SILICON 30MA 30WV	07263	FDG1088
A3CR2	1902-3268	2	DIODE BREAKDOWN:26.1V 5%	28480	1902-3268
A3CR3	1902-3193	2	DIODE BREAKDOWN:13.3V 5%	28480	1902-3193
A3CR4	1902-0049	8	DIODE: BREAKDOWN 6.19V 5%	04713	SZ10939-122
A3CR5	1902-0049		DIODE: BREAKDOWN 6.19V 5%	04713	SZ10939-122
A3CR6	1902-3193		DIODE BREAKDOWN:13.3V 5%	28480	1902-3193
A3CR7	1902-3268		DIODE BREAKDOWN:26.1V 5%	28480	1902-3268
A3CR8	1901-0415	6	DIODE:SILICON 50 PIV 3A	28480	1901-0415
A3CR9	1901-0415		DIODE:SILICON 50 PIV 3A	28480	1901-0415
A3CR10	1901-0415		DIODE:SILICON 50 PIV 3A	28480	1901-0415
A3CR11	1901-0415		DIODE:SILICON 50 PIV 3A	28480	1901-0415
A3CR12	1901-0415		DIODE:SILICON 50 PIV 3A	28480	1901-0415
A3CR13	1901-0415		DIODE:SILICON 50 PIV 3A	28480	1901-0415
A3E1	9170-0029	1	CORE:FERRITE BEAD	02114	56-590-65A2/4A
A3Q1	1853-0036		TSTR:SI PNP	80131	2N3906
A3Q2	1853-0036		TSTR:SI PNP	80131	2N3906
A3Q3	1854-0022	4	TSTR:SI NPN	07263	S17843
A3R1	0757-0956	13	R:FXD FLM 22K OHM 2% 1/8W	28480	0757-0956
A3R2	0757-0945	1	R:FXD FLM 7.5K OHM 2% 1/8W	28480	0757-0945
A3R3	0757-0946	1	R:FXD FLM 8.2K OHM 2% 1/8W	28480	0757-0946
A3R4	0757-0939	7	R:FXD FLM 4.3K OHM 2% 1/8W	28480	0757-0939
A3R5	0757-0198	2	R:FXD MET FLM 100 OHM 1% 1/2W	28480	0757-0198
A3R6	0757-0178	4	R:FXD MET FLM 100 OHM 1% 1/4W	28480	0757-0178
A3R7	0757-0178		R:FXD MET FLM 100 OHM 1% 1/4W	28480	0757-0178
A3R8	0757-0178		R:FXD MET FLM 100 OHM 1% 1/4W	28480	0757-0178
A3R9	0757-0178		R:FXD MET FLM 100 OHM 1% 1/4W	28480	0757-0178
A3R10	0757-0198		R:FXD MET FLM 100 OHM 1% 1/2W	28480	0757-0198
A3R11	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A3R12	0757-0932	2	R:FXD MET FLM 2.2K OHM 2% 1/8W	28480	0757-0932
A3R13	0757-0920	2	R:FXD FLM 680 OHM 2% 1/8W	28480	0757-0920
A3R14	0757-0920		R:FXD FLM 680 OHM 2% 1/8W	28480	0757-0920
A3R15	0757-0932		R:FXD MET FLM 2.2K OHM 2% 1/8W	28480	0757-0932
A3R16	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A3R17	0812-0017	2	R:FXD WW 0.25 OHM 5% 3W	28480	0812-0017
A3R18	0698-3203	2	R:FXD MET FLM 4530 OHM 1% 1/4W	28480	0698-3203
A3R19	0811-2490	4	R:FXD WW 0.1 OHM 3% 5W	28480	0811-2490
A3R20	0698-0084	2	R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A3R21	0811-2490		R:FXD WW 0.1 OHM 3% 5W	28480	0811-2490
A3R22	0757-0419	2	R:FXD MET FLM 681 OHM 1% 1/8W	28480	0757-0419
A3R23	0811-2490		R:FXD WW 0.1 OHM 3% 5W	28480	0811-2490
A3R24	0757-0419		R:FXD MET FLM 681 OHM 1% 1/8W	28480	0757-0419
A3R25	0811-2490		R:FXD WW 0.1 OHM 3% 5W	28480	0811-2490
A3R26	0698-0084		R:FXD MET FLM 2.15K OHM 1% 1/8W	28480	0698-0084
A3R27	0812-0017		R:FXD WW 0.25 OHM 5% 3W	28480	0812-0017
A3R28	0698-3203		R:FXD MET FLM 4530 OHM 1% 1/4W	28480	0698-3203
A3R29	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A3R30	0757-0926		R:FXD FLM 1.2K OHM 2% 1/8W	28480	0757-0926
A3R31	0757-0911	2	R:FXD FLM 300 OHM 2% 1/8W	28480	0757-0911
A3R32	0757-0911		R:FXD FLM 300 OHM 2% 1/8W	28480	0757-0911
A3R33	0757-0926		R:FXD FLM 1.2K OHM 2% 1/8W	28480	0757-0926
A3R34	0757-0940		R:FXD FLM 4700 OHM 2% 1/8W	28480	0757-0940
A3XA1			NOT ASSIGNED		
A3XA2	1251-1388	4	CONNECTOR:PC (2 X 15) 30 CONTACT	71785	252-15-30-008
A3XA3			NOT ASSIGNED		
A3XA4	1251-1388		CONNECTOR:PC (2 X 15) 30 CONTACT	71785	252-15-30-008
A3XA5	1251-1388		CONNECTOR:PC (2 X 15) 30 CONTACT	71785	252-15-30-008
A3XA6	1251-1388		CONNECTOR:PC (2 X 15) 30 CONTACT	71785	252-15-30-008
A4C1	0180-0230	6	C:FXD ELECT 1.0 UF 20% 50VDCW	56289	1500105X0050A2-DYS
A4C2			THRU		
A4C4			NOT ASSIGNED		
A4C5	0180-0230		C:FXD ELECT 1.0 UF 20% 50VDCW	56289	1500105X0050A2-DYS
A4CR1	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR2	1902-0049		DIODE: BREAKDOWN 6.19V 5%	04713	SZ10939-122
A4CR3	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4CR4	1902-0049		DIODE: BREAKDOWN 6.19V 5%	04713	SZ10939-122
A4CR5	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A4Q1	1854-0215		TSTR:SI NPN	80131	2N3904
A4Q2	1854-0071	3	TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A4Q3	1853-0012		TSTR:SI PNP	80131	2N2904A
A4Q4	1853-0020	50	TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A4Q5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A4Q6	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A4Q7	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A4Q8	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A4Q9	1853-0036		TSTR:SI PNP	80131	2N3906
A4Q10	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A4Q11	1854-0022		TSTR:SI NPN	07263	S17843
A4Q12	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A4Q13	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A4Q14	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A4Q15	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A4Q16	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A4R1	0757-0939		R:FXD FLM 4.3K OHM 2% 1/8W	28480	0757-0939
A4R2	2100-1755	6	R:VAR WW 100 OHM 5% TYPE V 1W	28480	2100-1755
A4R3	0757-0924	18	R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A4R4	0757-0929	6	R:FXD FLM 1.6K OHM 2% 1/8W	28480	0757-0929
A4R5	0757-0941	6	R:FXD FLM 5.1K OHM 2% 1/8W	28480	0757-0941
A4R6	0757-0956		R:FXD FLM 22K OHM 2% 1/8W	28480	0757-0956
A4R7	0757-0947	6	R:FXD FLM 9.1K OHM 2% 1/8W	28480	0757-0947
A4R8	0757-0893	6	R:FXD FLM 51 OHM 2% 1/8W	28480	0757-0893
A4R9	0757-0907	6	R:FXD FLM 200 OHM 2% 1/8W	28480	0757-0907
A4R10	0757-0346	10	R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
A4R11	0757-0933	3	R:FXD FLM 2.4K OHM 2% 1/8W	28480	0757-0933
A4R12	0757-0934	6	R:FXD FLM 2.7K OHM 2% 1/8W	28480	0757-0934
A4R13	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A4R14	2100-1757	6	R:VAR WW 500 OHM 5% TYPE V 1W	28480	2100-1757
A4R15	0698-5669	6	R:FXD MET FLM 1.5K OHM 0.25% 1/8W	28480	0698-5669
A4R16	0811-1219	6	R:FXD WW 250 OHM 5% 3W	28480	0811-1219
A4R17	0757-0960	13	R:FXD FLM 33K OHM 2% 1/8W	28480	0757-0960
A4R18	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A4R19	0757-0956		R:FXD FLM 22K OHM 2% 1/8W	28480	0757-0956
A4R20	0757-0960		R:FXD FLM 33K OHM 2% 1/8W	28480	0757-0960
A4R21	0757-0939		R:FXD FLM 4.3K OHM 2% 1/8W	28480	0757-0939
A4R22	2100-1755		R:VAR WW 100 OHM 5% TYPE V 1W	28480	2100-1755
A4R23	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A4R24	0757-0929		R:FXD FLM 1.6K OHM 2% 1/8W	28480	0757-0929
A4R25	0757-0941		R:FXD FLM 5.1K OHM 2% 1/8W	28480	0757-0941
A4R26	0757-0956		R:FXD FLM 22K OHM 2% 1/8W	28480	0757-0956
A4R27	0757-0947		R:FXD FLM 9.1K OHM 2% 1/8W	28480	0757-0947
A4R28	0757-0893		R:FXD FLM 51 OHM 2% 1/8W	28480	0757-0893
A4R29	0757-0907		R:FXD FLM 200 OHM 2% 1/8W	28480	0757-0907
A4R30	0757-0346		R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
A4R31	0757-0934		R:FXD FLM 2.7K OHM 2% 1/8W	28480	0757-0934
A4R32	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A4R33	2100-1757		R:VAR WW 500 OHM 5% TYPE V 1W	28480	2100-1757
A4R34	0698-5669		R:FXD MET FLM 1.5K OHM 0.25% 1/8W	28480	0698-5669
A4R35	0811-1219		R:FXD WW 250 OHM 5% 3W	28480	0811-1219
A4R36	0757-0960		R:FXD FLM 33K OHM 2% 1/8W	28480	0757-0960
A4R37	0757-0924		R:FXD MET FLM 1K OHM 2% 1/8W	28480	0757-0924
A4R38	0757-0956		R:FXD FLM 22K OHM 2% 1/8W	28480	0757-0956
A4R39	0757-0960		R:FXD FLM 33K OHM 2% 1/8W	28480	0757-0960
A5			SAME AS A4, USE PREFIX A5		
A6			SAME AS A4, USE PREFIX A6		
A7			THRU		
A10			NOT ASSIGNED		
A11	05475-60025	1	KEYBOARD ASSY	28480	05475-60025
A11DS1	2140-0037	10	LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS2	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS3	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS4	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS5	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS6	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS7	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS8	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS9	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11DS10	2140-0037		LAMP:INCANDESCENT 28.0V 0.04 AMPS	08806	2187D
A11P1			THRU		
A11P15			NOT ASSIGNED		
A11P16	1251-0293	1	CONNECTOR:24 CONTACT	28480	1251-0293
A11P17			THRU		
A11P18			NOT ASSIGNED		
A11P19	1251-0102	2	INSERT:R & P CONNECTOR 50 MALE CONTACT	02660	57-0993-01-375
A11R1	0683-1025	83	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A11S1	3101-0070	1	SWITCH:SLIDE	79727	G-126
A11S2	3100-2625	2	SWITCH:LEVER	28480	3100-2625
A11S3	3100-2625		SWITCH:LEVER	28480	3100-2625

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A11	0360-0011	1	STRIP:TERMINAL	06540	610-13
A11	0370-0432	2	KNOB:BLACK LEVER	28480	0370-0432
A11	5040-0235	10	BASE:LAMPHOLDER	28480	5040-0235
A11	5040-0279	10	LAMPHOLDER	28480	5040-0279
A11	05475-00001	1	BRACKET:LOWER MOUNTING	28480	05475-00001
A11	05475-00002	1	BRACKET:UPPER MOUNTING	28480	05475-00002
A11	05475-00005	1	PANEL:FRONT	28480	05475-00005
A11	05475-00006	1	PANEL:SUB	28480	05475-00006
A11	05475-00018	1	SPACER:FRAME	28480	05475-00018
A11	05475-20029	1	BAR:UPPER SPACER	28480	05475-20029
A11	05475-20032	1	BAR:LOWER SPACER	28480	05475-20032
A11	05475-20033	1	FRAME:KEYBOARD	28480	05475-20033
A11	05475-20034	1	PUSHBUTTON:LOAD TAPE	28480	05475-20034
A11	05475-20035	1	PUSHBUTTON:RESTART	28480	05475-20035
A11	05475-20036	1	PUSHBUTTON:STOP	28480	05475-20036
A11	05475-20037	1	PUSHBUTTON:CONTINUE	28480	05475-20037
A11	05475-20038	1	PUSHBUTTON:BLOCK SIZE	28480	05475-20038
A11	05475-20039	1	PUSHBUTTON:POINT	28480	05475-20039
A11	05475-20040	1	PUSHBUTTON:PROTECT	28480	05475-20040
A11	05475-20041	1	PUSHBUTTON:DELETE	28480	05475-20041
A11	05475-20042	1	PUSHBUTTON:REPLACE	28480	05475-20042
A11	05475-20043	1	PUSHBUTTON:INSERT	28480	05475-20043
A11	05475-20044	1	PUSHBUTTON:LIST	28480	05475-20044
A11	05475-20045	1	PUSHBUTTON:QUESTION	28480	05475-20045
A11	05475-20046	1			
A11	05475-20047	1	PUSHBUTTON:JUMP	28480	05475-20047
A11	05475-20048	1	PUSHBUTTON:LABEL	28480	05475-20048
A11	05475-20049	1	PUSHBUTTON:COUNT	28480	05475-20049
A11	05475-20050	1	PUSHBUTTON:SUB-JUMP	28480	05475-20050
A11	05475-20051	1	PUSHBUTTON:SUB-RETURN	28480	05475-20051
A11	05475-20052	1	PUSHBUTTON:END	28480	05475-20052
A11	05475-20053	1	PUSHBUTTON:PLUS	28480	05475-20053
A11	05475-20054	2	PUSHBUTTON:MINUS	28480	05475-20054
A11	05475-20055	1	PUSHBUTTON:DIVIDE	28480	05475-20055
A11	05475-20056	1	PUSHBUTTON:DERIVE	28480	05475-20056
A11	05475-20057	1	PUSHBUTTON:INTER	28480	05475-20057
A11	05475-20058	1	PUSHBUTTON:SHIFT	28480	05475-20058
A11	05475-20059	1	PUSHBUTTON:BINARY	28480	05475-20059
A11	05475-20061	1	PUSHBUTTON:HISTOGRAM	28480	05475-20061
A11	05475-20062	1	PUSHBUTTON:ANALOG IN	28480	05475-20062
A11	05475-20063	1	PUSHBUTTON:KEYBOARD	28480	05475-20063
A11	05475-20064	1	PUSHBUTTON:PRINT	28480	05475-20064
A11	05475-20065	1	PUSHBUTTON:PUNCH	28480	05475-20065
A11	05475-20066	1	PUSHBUTTON:PHOTO READER	28480	05475-20066
A11	05475-20067	1	PUSHBUTTON:EXP MAG	28480	05475-20067
A11	05475-20068	1	PUSHBUTTON:RECT	28480	05475-20068
A11	05475-20069	1	PUSHBUTTON:LOAD	28480	05475-20069
A11	05475-20070	1	PUSHBUTTON:STORE	28480	05475-20070
A11	05475-20071	1	PUSHBUTTON:LOG MAG	28480	05475-20071
A11	05475-20072	1	PUSHBUTTON:POLAR	28480	05475-20072
A11	05475-20073	1	PUSHBUTTON:INTERCHANGE	28480	05475-20073
A11	05475-20074	1	PUSHBUTTON:DISPLAY	28480	05475-20074
A11	05475-20075	1	PUSHBUTTON:MULTIPLY	28480	05475-20075
A11	05475-20076	1	PUSHBUTTON:HANN I	28480	05475-20076
A11	05475-20077	1	PUSHBUTTON:CONV	28480	05475-20077
A11	05475-20078	1	PUSHBUTTON:F	28480	05475-20078
A11	05475-20079	1	PUSHBUTTON:* MULTIPLY	28480	05475-20079
A11	05475-20080	1	PUSHBUTTON:HANN O	28480	05475-20080
A11	05475-20081	1	PUSHBUTTON:CORR	28480	05475-20081
A11	05475-20082	1	PUSHBUTTON:INV F-I	28480	05475-20082
A11	05475-20083	1	PUSHBUTTON:ENTER	28480	05475-20083
A11	05475-20084	1	PUSHBUTTON:SPACE	28480	05475-20084
A11	05475-20085	1	PUSHBUTTON:CLEAR	28480	05475-20085
A11	05475-20086	1	PUSHBUTTON:RUB OUT	28480	05475-20086
A11	05475-20087	1	PUSHBUTTON:0	28480	05475-20087
A11	05475-20088	1	PUSHBUTTON:1	28480	05475-20088
A11	05475-20089	1	PUSHBUTTON:2	28480	05475-20089
A11	05475-20090	1	PUSHBUTTON:3	28480	05475-20090
A11	05475-20091	1	PUSHBUTTON:4	28480	05475-20091
A11	05475-20092	1	PUSHBUTTON:5	28480	05475-20092
A11	05475-20093	2	PUSHBUTTON:6	28480	05475-20093
A11	05475-20094	1	PUSHBUTTON:7	28480	05475-20094
A11	05475-20095	1	PUSHBUTTON:8	28480	05475-20095
A11	05475-20098	1	PUSHBUTTON:TAPE	28480	05475-20098
A11	05475-60024	1	CABLE ASSY:PANEL	28480	05475-60024

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A11			(INCLUDES P16)		
A11	05475-60033	1	SWITCH ASSY:KEYBOARD	28480	05475-60033
A11			(INCLUDES P19A,B)		
A12	05475-60003	1	BOARD ASSY:MATRIX A THRU	28480	05475-60003
A12CR1					
A12CR209	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A12R1	0683-5125	15	R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R2	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R3	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R4	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R5	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R6	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R7	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R8	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R9	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R10	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R11	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R12	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R13	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R14	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A12R15	0683-5125		R:FXD COMP 5100 OHM 5% 1/4W	01121	CB 5125
A13	05475-60008	1	BOARD ASSY:MATRIX B THRU	28480	05475-60008
A13CR1					
A13CR223	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A14	05475-60011	1	BOARD ASSY:SHIFT REGISTER	28480	05475-60011
A14C1	0180-0376	1	C:FXD ELECT 0.47 UF 10% 35VDCW	56289	150D474X9035A2-DYS
A14C2	0180-1735	1	C:FXD ELECT 0.22 UF 10% 35VDCW	56289	0180-1735
A14C3	0160-0153	15	C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C4	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C5	0160-0157	2	C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A14C6	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C7	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C8	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C9	0160-0180	7	C:FXD MY 0.033 UF 5%	28480	0160-0180
A14C10	0160-0157		C:FXD MY 0.0047 UF 10% 200VDCW	56289	192P47292-PTS
A14C11	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C12	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C13	0180-0291	4	C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A14C14	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C15	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C16	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C17	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C18	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C19	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C20	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14C21	0160-0153		C:FXD MY 0.001 UF 10% 200VDCW	56289	192P10292-PTS
A14CR1	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A14CR2	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A14CR3	1901-0179	1	DIODE:SILICON 15WV	28480	1901-0179
A14CR4	1902-3024	11	DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A14CR5	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A14IC1	1820-0054	36	IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A14IC2	1820-0174	5	INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A14IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A14IC4	1820-0071	1	IC:TTL DUAL 4-INPUT NAND BUFFER	01295	SN7440N
A14IC5	1820-0077	11	IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC6	1820-0068	7	IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A14IC7	1820-0328	2	IC:TTL QUAD 2-INPT NOR GATE	01295	SN4467
A14IC8	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC9	1820-0070	2	IC:TTL 8-INPT POS NAND GATE	01295	SN4345
A14IC10	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC11	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC12	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC13	1820-0070		IC:TTL 8-INPT POS NAND GATE	01295	SN4345
A14IC14	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC15	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC16	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC17	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC18	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A14IC19	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC20	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A14IC21	1820-0077		IC:TTL DUAL D FF (LATCH)	01295	SN4354
A14IC22	1820-0174		INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A14Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14Q2	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A1403	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A1404	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1405	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1406	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1407	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1408	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A1409	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14010	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14011	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14012	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14013	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14014	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14015	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14016	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14017	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A14018	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14019	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14020	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14021	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14022	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A14R1	0683-2725	1	R:FXD COMP 2700 OHM 5% 1/4W	01121	CB 2725
A14R2	0683-1525	11	R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A14R3	0683-2025	33	R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A14R4	0757-0951	1	R:FXD FLN 13K OHM 2% 1/8W	28480	0757-0951
A14R5	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A14R6	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A14R7	2100-2522	1	R:VAR CERMET 10K OHM 10% LIN 1/2W	28480	2100-2522
A14R8	0757-0960		R:FXD FLN 33K OHM 2% 1/8W	28480	0757-0960
A14R9	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A14R10	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A14R11	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R12	0683-3025	43	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R13	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R14	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R15	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R16	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R17	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R18	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R19	0683-2415	24	R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A14R20	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R21	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R22	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R23	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R24	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R25	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R26	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A14R27	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A14R28	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R29	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R30	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A14R31	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A14R32	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R33	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R34	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R35	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R36	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R37	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R38	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R39	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R40	0683-5115	4	R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A14R41	0683-6225	1	R:FXD COMP 6200 OHM 5% 1/4W	01121	CB 6225
A14R42	0683-5115		R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A14R43	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A14R44	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R45	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R46	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R47	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R48	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A14R49	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R50	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14R51	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A14R52	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A14TP1	0360-0124	3	TERMINAL:SOLDER LUG	28480	0360-0124
A14TP2	0360-0124		TERMINAL:SOLDER LUG	28480	0360-0124
A14TP3	0360-0124		TERMINAL:SOLDER LUG	28480	0360-0124

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A15	05475-60006	1	BOARD ASSY:FUNCTION (FOR OPTION 001 ONLY)	28480	05475-60006
A15					
A15 C1	0180-0106	5	C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A15 C2	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C3	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C4	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C5	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C6	0180-0116	3	C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X9035B2-DYS
A15 C7	0160-0180		C:FXD MY 0.033 UF 5%	28480	0160-0180
A15 C8	0160-0180		C:FXD MY 0.033 UF 5%	28480	0160-0180
A15 C9	0160-0180		C:FXD MY 0.033 UF 5%	28480	0160-0180
A15 C10	0160-0180		C:FXD MY 0.033 UF 5%	28480	0160-0180
A15 C11	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A15 C12	0180-0210	1	C:FXD ELECT 3.3 UF 20% 15VDCW	56289	150D335X0015A2-DYS
A15 C13	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A15 C14	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A15 C15	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C16	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C17	0160-0155		C:FXD MY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 CR1	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A15 CR2	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A15 CR3	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A15 CR4	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A15 CR5	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A15 CR6	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A15 CR7	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	SZ10939-26
A15 IC1	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC2	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC4	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC5	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC6	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC7	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC8	1820-0069	2	IC:TTL DUAL 4-INPT POS NAND GATE	01295	SN4344
A15 IC9	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A15 IC10	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC11	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC12	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC13	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC14	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC15	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC16	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC17	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A15 IC18	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC19	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC20	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC21	1820-0328		IC:TTL QUAD 2-INPT NOR GATE	01295	SN4467
A15 IC22	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC23	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q2	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A15 Q3	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q4	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q6	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q7	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q8	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q9	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q10	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q11	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q12	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q13	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q14	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 Q15	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A15 R1	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R2	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R3	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R4	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R5	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R6	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R7	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R8	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R9	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R10	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R11	0683-1825	1	R:FXD COMP 1800 OHM 5% 1/4W	01121	CB 1825

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A15 R12	0683-3025	2	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R13	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A15 R14	0683-1235		R:FXD COMP 12K OHM 5% 1/4W	01121	CB 1235
A15 R15	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R16	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R17	0683-2415	1	R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R18	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R19	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R20	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R21	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R22	0683-2415	1	R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R23	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R24	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R25	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R26	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R27	0683-5115	1	R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A15 R28	0683-5115		R:FXD COMP 510 OHM 5% 1/4W	01121	CB 5115
A15 R29	0683-6815		R:FXD COMP 680 OHM 5% 1/4W	01121	CB 6815
A15 R30	0683-4315		R:FXD COMP 430 OHM 5% 1/4W	01121	CB 4315
A15 R31	0683-4715		R:FXD COMP 470 OHM 5% 1/4W	01121	CB 4715
A15 R32	0683-2415	1	R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R33	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R34	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R35	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R36	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R37	0683-3025	1	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R38	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R39	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R40	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R41	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R42	0683-2025	1	R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R43	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R44	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R45	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R46	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R47	0683-3025	1	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R48	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R49	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R50	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R51	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R52	0683-3025	1	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R53	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R54	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R55	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R56	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R57	0683-3025	1	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R58	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R59	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R60	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R61	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R62	0683-2025	1	R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R63	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R64	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R65	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R66	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R67	0683-3025	1	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R68	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R69	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R70	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15	05475-60012		BOARD ASSY:FUNCTION	28480	05475-60012
A15		1	(FOR OPTION 002 ONLY)		
A15 C1	0160-0155		C:FXD NY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C2	0160-0155		C:FXD NY 0.0033 UF 10% 200VDCW	56289	192P33292-PTS
A15 C3	0160-0180		C:FXD NY 0.033 UF 5%	28480	0160-0180
A15 C4	0160-0180		C:FXD NY 0.033 UF 5%	28480	0160-0180
A15 C5	0180-0106	1	C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A15 C6	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X903582-DYS
A15 CR1	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	S210939-26
A15 CR2	1902-3024		DIODE:BREAKDOWN 2.87V 5%	04713	S210939-26
A15 IC1	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC2	1820-0174	1	INTEGRATED CIRCUIT:TTL HEX INVERTER	01295	SN8199
A15 IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC4	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 IC5	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A15 Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A15 R1	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R2	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R3	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R4	0683-2025		R:FXD COMP 2000 OHM 5% 1/4W	01121	CB 2025
A15 R5	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R6	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R7	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R8	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A15 R9	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A15 R10	0683-1035		R:FXD COMP 10K OHM 5% 1/4W	01121	CB 1035
A15 R11	0683-2225	8	R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A15 R12	0683-2415		R:FXD COMP 240 OHM 5% 1/4W	01121	CB 2415
A16	05475-60004	1	BOARD ASSY:SWEEP REGULATOR (FOR OPTION 001 ONLY)	28480	05475-60004
A16C1	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A16IC1	1820-0069		IC:TTL DUAL 4-INPT PDS NAND GATE	01295	SN4344
A16IC2	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A16IC3	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC4	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC5	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A16IC6	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A16IC7	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC8	1820-0068		IC:TTL TRIPLE 3-INPUT POS NAND GATE	12040	SN7410N
A16IC9	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC10	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC11	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC12	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC13	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC14	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16IC15	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A16Q1	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q2	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q3	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q4	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q5	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q6	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q7	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q8	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q9	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q10	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q11	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q12	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q13	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q14	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q15	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q16	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q17	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q18	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q19	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q20	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q21	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q22	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q23	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q24	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q25	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q26	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q27	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q28	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q29	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q30	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16Q31	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A16Q32	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A16R1			THRU		
A16R64	0683-1025		R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A17	05475-60007	1	BOARD ASSY:BUFFER	28480	05475-60007
A17C1	0180-0106		C:FXD ELECT 60 UF 20% 6VDCW	28480	0180-0106
A17CR1	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A17CR2	1901-0040		DIODE:SILICON 30MA 30WV	07263	FDG1088
A17IC1	1820-0054		IC:TTL QUAD 2-INPUT NAND GATE	01295	SN4342
A17Q1	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q2	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q3	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q4	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q5	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q6	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A17Q7	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q8	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q9	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q10	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q11	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q12	1853-0020		TSTR:SI PNP(SELECTED FROM 2N3702)	28480	1853-0020
A17Q13	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q14	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q15	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q16	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q17	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q18	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q19	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q20	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q21	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q22	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q23	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q24	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q25	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q26	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q27	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q28	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q29	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q30	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q31	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q32	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q33	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17Q34	1854-0071		TSTR:SI NPN(SELECTED FROM 2N3704)	28480	1854-0071
A17R1	0683-2715	12	R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R2	0683-5605	12	R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R3	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R4	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R5	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R6	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R7	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R8	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R9	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R10	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R11	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R12	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R13	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R14	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R15	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R16	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R17	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R18	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R19	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R20	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R21	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R22	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R23	0683-2715		R:FXD COMP 270 OHM 5% 1/4W	01121	CB 2715
A17R24	0683-5605		R:FXD COMP 56 OHM 5% 1/4W	01121	CB 5605
A17R25	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R26	0683-2425	9	R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R27	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A17R28	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R29	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R30	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A17R31	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R32	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R33	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A17R34	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R35	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R36	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A17R37	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R38	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R39	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A17R40	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R41	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R42	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A17R43	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R44	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R45	0683-2225		R:FXD COMP 2.2K OHM 5% 1/4W	01121	CB 2225
A17R46	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R47	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425

See introduction to this section for ordering information

Model 5450A/5452A
Replaceable Parts

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
A17R48	0683-3025	2	R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A17R49	0683-3925		R:FXD COMP 3900 OHM 5% 1/4W	01121	CB 3925
A17R50	0683-1525		R:FXD COMP 1500 OHM 5% 1/4W	01121	CB 1525
A17R51	0683-3025		R:FXD COMP 3000 OHM 5% 1/4W	01121	CB 3025
A17R52	0683-2425		R:FXD COMP 2400 OHM 5% 1/4W	01121	CB 2425
A17R53	0683-3925	1	R:FXD COMP 3900 OHM 5% 1/4W	01121	CB 3925
A18	05475-60010		BOARD ASSY:RELAY	28480	05475-60010
A18C1	0180-0116		C:FXD ELECT 6.8 UF 10% 35VDCW	56289	150D685X903582-DYS
A18C2	0180-0291		C:FXD ELECT 1.0 UF 10% 35VDCW	56289	150D105X9035A2-DYS
A18CR1	1902-0041		DIODE: BREAKDOWN 5.11V 5%	04713	S210939-98
A18CR2	1884-0063	1	THYRISTOR	03508	C15F
A180S1	2140-0300	1	LAMP: INCANDESCENT 18V 0.04 AMPS	08806	7370
A18K1	0490-0393	1	RELAY: REED SPDT	28480	0490-0393
A18L1	9140-0114	1	COIL: FXD RF 10 UH	28480	9140-0114
A18Q1	1853-0020	1	TSTR: SI PNP (SELECTED FROM 2N3702)	28480	1853-0020
A18R1	0686-6815	1	R:FXD COMP 680 OHM 5% 1/2W	01121	EB 6815
A18R2	0683-1025	1	R:FXD COMP 1000 OHM 5% 1/4W	01121	CB 1025
A18R3	0683-1015		R:FXD COMP 100 OHM 5% 1/4W	01121	CB 1015
B			CHASSIS PARTS		
C1	0180-2115		C:FXD ELECT 2500 UF +50-10% 75VDCW	56289	36D252K075AC2A-DQB
C2	0180-1949		C:FXD ELECT 5500 UF -10+75% 40VDCW	56289	36D552G040AC2A-DQB
C3	0180-1949	4	C:FXD ELECT 5500 UF -10+75% 40VDCW	56289	36D552G040AC2A-DQB
C4	0180-1949		C:FXD ELECT 5500 UF -10+75% 40VDCW	56289	36D552G040AC2A-DQB
C5	0180-1949		C:FXD ELECT 5500 UF -10+75% 40VDCW	56289	36D552G040AC2A-DQB
C6	0180-2115		C:FXD ELECT 2500 UF +50-10% 75VDCW	56289	36D252K075AC2A-DQB
C7	0160-3043	1	C:FXD CER 2 X 0.005 UF 20% 250VAC	56289	29C147A-CDH
F1	2110-0006	1	FUSE: CARTRIDGE 2AMP 125V SLOW BLOW	71400	MDL2
F1	2110-0014	1	FUSE: CARTRIDGE 4 AMP 125V SLOW BLOW	71400	MDX-4
F2	2110-0010	1	FUSE: CARTRIDGE 3 AG 5 AMP 250V MAX THRU	75915	312005
J10		1	NOT ASSIGNED		
J11	1251-0484		CONNECTOR: R & P 36 CONTACT RECEPTACLE	28480	1251-0484
J12	1251-0085		CONNECTOR: FEMALE 36-PIN MINAT	28480	1251-0085
J13	1251-0335		CONNECTOR: PC 48 CONTACT (2 X 24)	95238	K600-13-PCGD 24
J14	1251-0085		CONNECTOR: FEMALE 36-PIN MINAT	28480	1251-0085
J15	1251-0099	3	CONNECTOR: R & P 50 CONTACT	02660	57-10500-375
J16	1251-0101		CONNECTOR: R & P 50 CONTACT	02660	57-20500-375
J17	1251-0085		CONNECTOR: FEMALE 36-PIN MINAT	28480	1251-0085
J18	1251-0085		CONNECTOR: FEMALE 36-PIN MINAT	28480	1251-0085
J19	1251-0101		CONNECTOR: R & P 50 CONTACT	02660	57-20500-375
Q1	1853-0052	1	TSTR: SI PNP	80131	2N3740
Q2	1853-0073	2	TSTR: SI PNP	28480	1853-0073
Q3	1853-0073	4	TSTR: SI PNP	28480	1853-0073
Q4	1854-0313		TSTR: SI NPN	80131	2N3771
Q5	1854-0313		TSTR: SI NPN	80131	2N3771
Q6	1854-0063	2	TSTR: SI NPN	80131	2N3055
Q7	1854-0063		TSTR: SI NPN	80131	2N3055
Q8	1854-0313		TSTR: SI NPN	80131	2N3771
Q9	1854-0313		TSTR: SI NPN	80131	2N3771
Q10	1854-0300		TSTR: SI NPN	28480	1854-0300
Q11	1854-0300	1	TSTR: SI NPN	28480	1854-0300
Q12	1854-0072		TSTR: SI NPN	80131	2N3054
R1	0757-0966	1	R:FXD FLM 56K OHM 2% 1/8W	28480	0757-0966
R2	0757-0900	6	R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
R3	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
R4	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
R5	0757-0346		R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
R6	0757-0346	2	R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
R7	0757-0385		R:FXD MET FLM 22.1 OHM 1% 1/8W	28480	0757-0385
R8	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
R9	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
R10	0757-0900		R:FXD MET FLM 100 OHM 2% 1/8W	28480	0757-0900
R11	0757-0385	1	R:FXD MET FLM 22.1 OHM 1% 1/8W	28480	0757-0385
R12	0757-0346		R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
R13	0757-0346		R:FXD MET FLM 10 OHM 1% 1/8W	28480	0757-0346
S1		1	NOT ASSIGNED		
S2	3101-1234		SWITCH: SLIDE DPDT 6A 250 VAC	82389	11A-1242A
T1	9100-2470		TRANSFORMER	28480	9100-2470
XA1			THRU		
XA11			NOT ASSIGNED		
XA12	1251-0159	14	CONNECTOR: 2X15 CONTACT	28480	1251-0159
XA13	1251-0159		CONNECTOR: 2X15 CONTACT	28480	1251-0159
XA14	1251-0159		CONNECTOR: 2X15 CONTACT	28480	1251-0159
XA15	1251-0159		CONNECTOR: 2X15 CONTACT	28480	1251-0159
XA16	1251-0159		CONNECTOR: 2X15 CONTACT	28480	1251-0159

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
XA17	1251-0159		CONNECTOR:2X15 CONTACT	28480	1251-0159
XA18	1251-0159		CONNECTOR:2X15 CONTACT	28480	1251-0159
XF1	1400-0084	2	FUSEHOLDER:EXTRACTOR POST TYPE	75915	342014
XF2	1400-0084		FUSEHOLDER:EXTRACTOR POST TYPE	75915	342014
XJ13	02116-8176	1	BOARD:ETCHED	28480	02116-8176
			MISCELLANEOUS		
	0340-0162	2	INSULATOR:TRANSISTOR	28480	0340-0162
	0510-0097	1	RETAINER:PUSH-ON	78553	C185-014-24D
	0570-0966	4	STUD:PERCUSSION WELD 6-32 THREAD	28480	0570-0966
	0590-0735	2	INSERT:6-32 THRAD	91767	1185-06CN-0276
	1200-0043	6	INSULATOR:TRANSISTOR MOUNTING	71785	293011
	1200-0147	16	SLEEVE:INSULATOR NYLON	26365	974-302
	1251-2357	1	SOCKET:3-PIN MALE POWER RECEPTACLE	82389	EAC-301
	1390-0020	12	LOOP:LOCKING	28480	1390-0020
	1400-0481	1	CLAMP:CABLE STRAP #8 HDW	06383	TA-15-8-C
	1400-0776	10	CLAMP:CABLE 4.0" DIA	28480	1400-0776
	1450-0494	1	LIGHT:INDICATOR, AMBER	72765	599-172-YELLOW
	2370-0012	3	SCREW:SST FLAT HD PHL DR 6-32 X 1/4	28480	2370-0012
	2515-0017	8	SCREW:PAN HD PHIL DR 8-32 X 1/4	00000	08D
	2950-0131	1	NUT:HEX NYLON, BLACK	00000	08D
	3050-0082	33	WASHER:FLAT FOR #4 HDW	76854	8942-3
	3101-1248	1	SWITCH:PUSHBUTTON SPDT ILLUMINATED	87034	53-55480-121/A1H
	3160-0092	1	FAN BLADE GUARD	92702	65-175
	3160-0097	1	FAN:TUBE AXIAL	23936	4500A
	6960-0023	12	BUTTON:PLUG STL NP FOR 5/16 HOLE	90763	SS-51034
	7120-0004	1	NAMEPLATE:SERIAL	28480	7120-0004
	5000-0170	2	COVER:SIDE	28480	5000-0170
	5000-0221	2	SUPPORT	28480	5000-0221
	5000-2750	1	PLATE:COVER	28480	5000-2750
	5020-0242	2	SUPPORT	28480	5020-0242
	5020-0714	1	BRACKET:LEFT HAND	28480	5020-0714
	5020-0715	1	BRACKET:RIGHT HAND	28480	5020-0715
	5040-0170	2	GUIDE:PLUG-IN PC BOARD	28480	5040-0170
	5060-0061	1	COVER ASSY:TOP	28480	5060-0061
	5060-0064	1	COVER ASSY:BOTTOM	28480	5060-0064
	05210-4001	1	GUIDE:BOARD	28480	05210-4001
	05421-0010	4	RETAINER:CONNECTOR	28480	05421-0010
	05475-00007	1	CHASSIS	28480	05475-00007
	05475-00008	2	SHIELD	28480	05475-00008
	05475-00009	1	PANEL:POWER SUPPLY	28480	05475-00009
	05475-00010	1	PANEL:CONTROL	28480	05475-00010
	05475-00012	1	BRACKET:CONNECTOR	28480	05475-00012
	05475-00015	1	INSULATOR:POWER SUPPLY COVER	28480	05475-00015
	05475-00016	1	INSULATOR:POWER SUPPLY COVER	28480	05475-00016
	05475-00017	1	BRACKET:IDENTIFICATION	28480	05475-00017
	05475-00020	1	PANEL:REAR	28480	05475-00020
	05475-00021	1	BRACKET:MOTHER BOARD	28480	05475-00021
	05475-00022	1	CHASSIS:TRANSFORMER	28480	05475-00022
	05475-00023	1	BRACKET COVER	28480	05475-00023
	05475-00024	1	COVER:LEFT POWER SUPPLY	28480	05475-00024
	05475-00025	1	COVER:RIGHT POWER SUPPLY	28480	05475-00025
	05475-20022	2	GUIDE:PC	28480	05475-20022
	05475-20023	1	BAR:TIE	28480	05475-20023
	05475-20024	1	TRIM:UPPER	28480	05475-20024
	05475-20025	1	TRIM:CENTER	28480	05475-20025
	05475-20026	1	TRIM:POWER	28480	05475-20026
	05475-20027	2	FRAME:MODIFIED	28480	05475-20027
	05475-20028	1	ANGLE:CONNECTOR MOUNTING	28480	05475-20028
	05475-20030	1	BRACKET:UPPER LEFT	28480	05475-20030
	05475-20031	1	BRACKET:UPPER RIGHT	28480	05475-20031
	05475-20097	1	SPACER	28480	05475-20097
	05475-60021	1	CABLE ASSY:PRIMARY	28480	05475-60021
	05475-60022	1	CABLE ASSY:POWER SUPPLY	28480	05475-60022
	05475-60023	1	CABLE ASSY:CHASSIS (INCLUDES J12, AND J14 THRU J19)	28480	05475-60023
	05480-20035	1	GUIDE:PLUG-IN	28480	05480-20035
	05580-0004	1	BRACKET:POWER SUPPLY	28480	05580-0004
	05580-0007	2	PLATE	28480	05580-0007
	05580-0008	1	BRACKET:REAR PANEL	28480	05580-0008
	05580-0010	1	BRACKET:CASTING	28480	05580-0010
	05580-0013	1	BRACKET:MOUNTING	28480	05580-0013
	05580-2007	2	GUIDE RAIL	28480	05580-2007
	05580-2008	2	HEAT DISSIPATOR:FINNED	28480	05580-2008
	05580-2014	2	BRACKET:LOWER	28480	05580-2014
	05580-2017	2	HEAT DISSIPATOR:ANGLED	28480	05580-2017

See introduction to this section for ordering information

Table 5-4. Replaceable Parts (Continued)

Reference Designation	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
	05580-2018 05580-2019	1 1	SUPPORT:RIGHT SUPPORT:LEFT	28480 28480	05580-2018 05580-2019

See introduction to this section for ordering information

Table 5-5. Code List of Manufacturers

MFR NO.	MANUFACTURER NAME	ADDRESS	ZIP CODE
01121	ALLEN BRADLEY CO.	MILWAUKEE, WIS.	53204
01295	TEXAS INSTRUMENTS INC. SEMICONDUCTOR COMPONENTS DIV.	DALLAS, TEX.	75231
07263	FAIRCHILD CAMERA & INST. CORP. SEMICONDUCTOR DIV.	MOUNTAIN VIEW, CALIF.	94040
12040	NATIONAL SEMICONDUCTOR CORP.	DANBURY, CONN.	06810
28480	HEWLETT-PACKARD COMPANY	PALO ALTO, CALIF.	94304
56289	SPRAGUE ELECTRIC CO.	N. ADAMS, MASS.	01247
00000	NO M/F DESCRIPTION FOR THIS MFG NUMBER		
00000	U.S.A. COMMON	ANY SUPPLIER OF U.S.A.	
00866	GOE ENGINEERING CO. INC.	CITY OF INDUSTRY, CALIF.	91746
01121	ALLEN BRADLEY CO.	MILWAUKEE, WIS.	53204
01295	TEXAS INSTRUMENTS INC. SEMICONDUCTOR COMPONENTS DIV.	DALLAS, TEX.	75231
02660	AMPHENOL CORP.	BROADVIEW, ILL.	60153
02735	RCA SOLID STATE & RECEIVING TUBE DIV.	SOMERVILLE, N.J.	08876
04713	MOTOROLA SEMICONDUCTOR PROD. INC.	PHOENIX, ARIZ.	85008
07263	FAIRCHILD CAMERA & INST. CORP. SEMICONDUCTOR DIV.	MOUNTAIN VIEW, CALIF.	94040
12040	NATIONAL SEMICONDUCTOR CORP.	DANBURY, CONN.	06810
14655	CORNELL DUBLIER ELECT. DIV. FEDERAL PACIFIC ELECT. CO.	NEWARK, N.J.	07105
28480	HEWLETT-PACKARD COMPANY	PALO ALTO, CALIF.	94304
56289	SPRAGUE ELECTRIC CO.	N. ADAMS, MASS.	01247
72136	ELECTRO MOTIVE MFG. CO. INC.	WILLIMANTIC, CONN.	06226
79727	CONTINENTAL-WIRT ELECTRONICS CORP.	PHILADELPHIA, PA.	19144
80131	ELECTRONIC INDUSTRIES ASSOCIATION	WASHINGTON D.C.	20006
81242	NO M/F DESCRIPTION FOR THIS MFG NUMBER		
83594	BURROUGHS CORP. ELECT. COMP. DIV.	PLAINFIELD, N.J.	07061
99848	WILCO CORP.	INDIANAPOLIS, IND.	46222
01121	ALLEN BRADLEY CO.	MILWAUKEE, WIS.	53204
01295	TEXAS INSTRUMENTS INC. SEMICONDUCTOR COMPONENTS DIV.	DALLAS, TEX.	75231
02660	AMPHENOL CORP.	BROADVIEW, ILL.	60153
03508	G.E. CO. SEMICONDUCTOR PROD. DEPT.	SYRACUSE, N.Y.	13201
04052	NO M/F DESCRIPTION FOR THIS MFG NUMBER		
04713	MOTOROLA SEMICONDUCTOR PROD. INC.	PHOENIX, ARIZ.	85008
07263	FAIRCHILD CAMERA & INST. CORP. SEMICONDUCTOR DIV.	MOUNTAIN VIEW, CALIF.	94040
08806	G.E. CO. MINIATURE LAMP DEPT.	CLEVELAND, OHIO	44112
09145	TECHNICAL IND. INC. ATOHM ELECT. MILITARY PROD. DIV.	BURBANK, CALIF.	91502
12040	NATIONAL SEMICONDUCTOR CORP.	DANBURY, CONN.	06810
14655	CORNELL DUBLIER ELECT. DIV. FEDERAL PACIFIC ELECT. CO.	NEWARK, N.J.	07105
24931	SPECIALTY CONNECTOR CO. INC.	INDIANAPOLIS, IND.	46227
28480	HEWLETT-PACKARD COMPANY	PALO ALTO, CALIF.	94304
36196	STANWYCK COIL PROD. LTD.	HAWKSBURY ONTARIO, CANADA	
56289	SPRAGUE ELECTRIC CO.	N. ADAMS, MASS.	01247
72136	ELECTRO MOTIVE MFG. CO. INC.	WILLIMANTIC, CONN.	06226
72982	ERIE TECHNOLOGICAL PROD. INC.	ERIE, PA.	16512
78488	STACKPOLE CARBON CO.	ST. MARYS, PA.	15867
80131	ELECTRONIC INDUSTRIES ASSOCIATION	WASHINGTON D.C.	20006
82142	AIRCO SPEER ELECT. COMP.	DU BOIS, PA.	15801
91418	RADIO MATERIALS CO.	CHICAGO, ILL.	60664
93332	SYLVANIA ELECTRIC PROD. INC. SEMICONDUCTOR DIV.	WOBURN, MASS.	01801
94222	SOUTHCOR INC.	LESTER, PA.	15112
96733	SAN FERNANDO ELECT. MFG. CO.	SAN FERNANDO, CALIF.	91341
99833	DELEVEN ELECTRONICS CORP.	E. AURORA, N.Y.	14062
00000	NO M/F DESCRIPTION FOR THIS MFG NUMBER		
00000	U.S.A. COMMON	ANY SUPPLIER OF U.S.A.	
01121	ALLEN BRADLEY CO.	MILWAUKEE, WIS.	53204
01295	TEXAS INSTRUMENTS INC. SEMICONDUCTOR COMPONENTS DIV.	DALLAS, TEX.	75231
02114	FERROXCUBE CORP.	SAUGERTIES, N.Y.	12477
02660	AMPHENOL CORP.	BROADVIEW, ILL.	60153
03508	G.E. CO. SEMICONDUCTOR PROD. DEPT.	SYRACUSE, N.Y.	13201
04713	MOTOROLA SEMICONDUCTOR PROD. INC.	PHOENIX, ARIZ.	85008
06383	PANDUIT CORP.	TINLEY PARK, ILL.	60477
06540	AMATOM ELECT. HARDWARE CO. INC.	NEW ROCHELLE, N.Y.	10801
07263	FAIRCHILD CAMERA & INST. CORP. SEMICONDUCTOR DIV.	MOUNTAIN VIEW, CALIF.	94040
08806	G.E. CO. MINIATURE LAMP DEPT.	CLEVELAND, OHIO	44112
12040	NATIONAL SEMICONDUCTOR CORP.	DANBURY, CONN.	06810
23936	NO M/F DESCRIPTION FOR THIS MFG NUMBER		
26365	GRIES REPRODUCER CORP.	NEW ROCHELLE, N.Y.	10802
28480	HEWLETT-PACKARD COMPANY	PALO ALTO, CALIF.	94304
56289	SPRAGUE ELECTRIC CO.	N. ADAMS, MASS.	01247
71400	BUSSMANN MFG. DIV. MC GRAW-EDISON CO.	ST. LOUIS, MO.	63017
71785	CINCH MFG. CO. DIV UNITED CARR FASTENER CORP.	CHICAGO, ILL.	60624
72765	DRAKE MFG. CO.	HARWOOD HEIGHTS, ILL.	60656
75915	LITTELFUSE INC.	DES PLAINES, ILL.	60016
76854	OAK MFG. CO. DIV. OAK ELECTRO/NETICS CORP.	CRYSTAL LAKE, ILL.	60014
78553	TINNERMAN PROD. INC.	CLEVELAND, OHIO	44129
79727	CONTINENTAL-WIRT ELECTRONICS CORP.	PHILADELPHIA, PA.	19144
80131	ELECTRONIC INDUSTRIES ASSOCIATION	WASHINGTON D.C.	20006
82389	SWITCHCRAFT INC.	CHICAGO, ILL.	60630
87034	MARCO & OAK INDUSTRIES DIV. OAK ELECTRO/NETICS CORP.	ANAHEIM, CALIF.	92803
90763	UNITED CARR INC.	CHICAGO, ILL.	60640
91767	HELI-COIL CORP.	DANBURY, CONN.	06810
92702	NO M/F DESCRIPTION FOR THIS MFG NUMBER		
95238	CONTINENTAL CONNECTOR CORP.	WOODSIDE, N.Y.	11377

